TOSHIBA

Discrete Device Package Lineups



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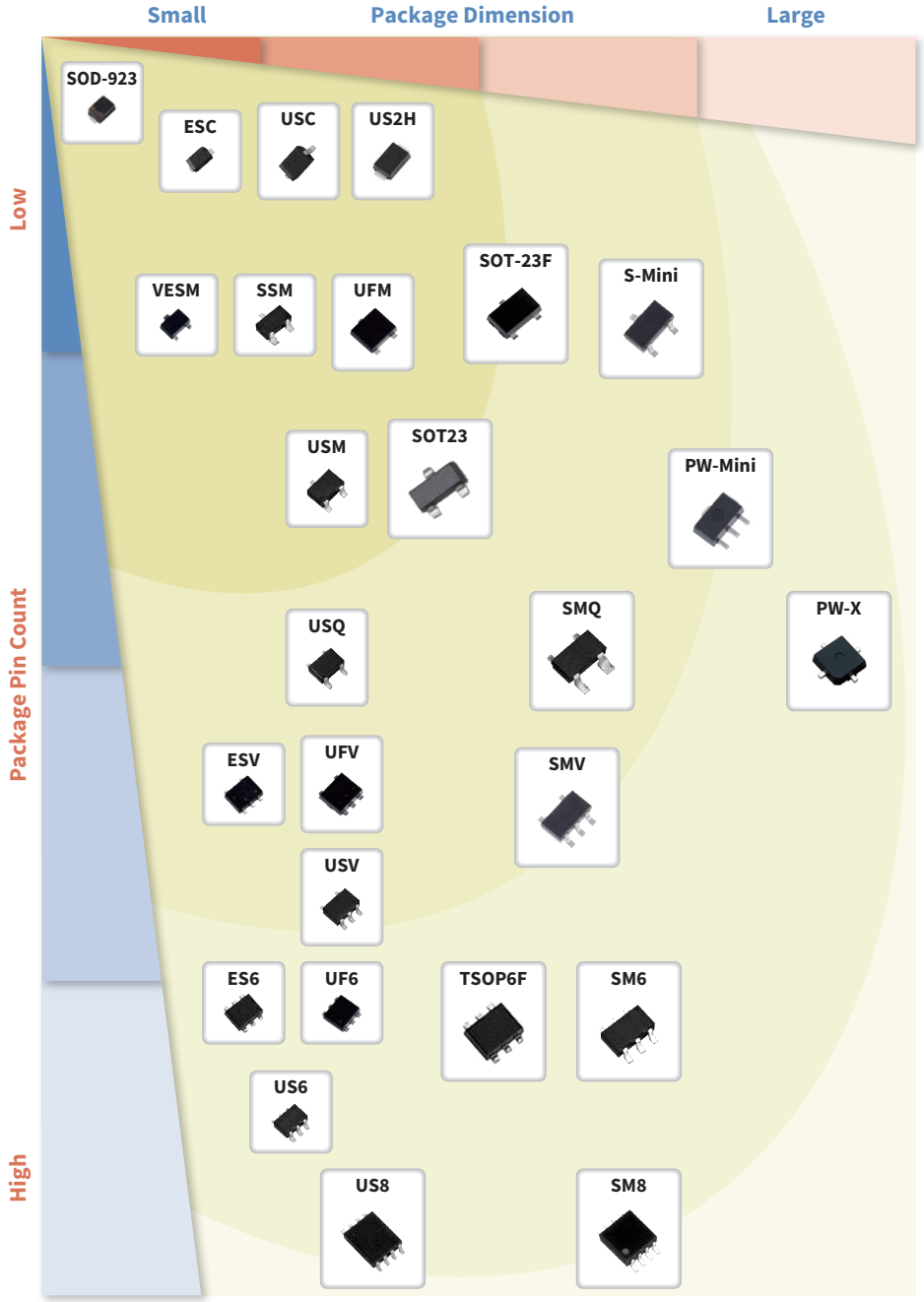
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1. Small Signal Devices

Package Lineups

Surface Mount Type (Lead Type)

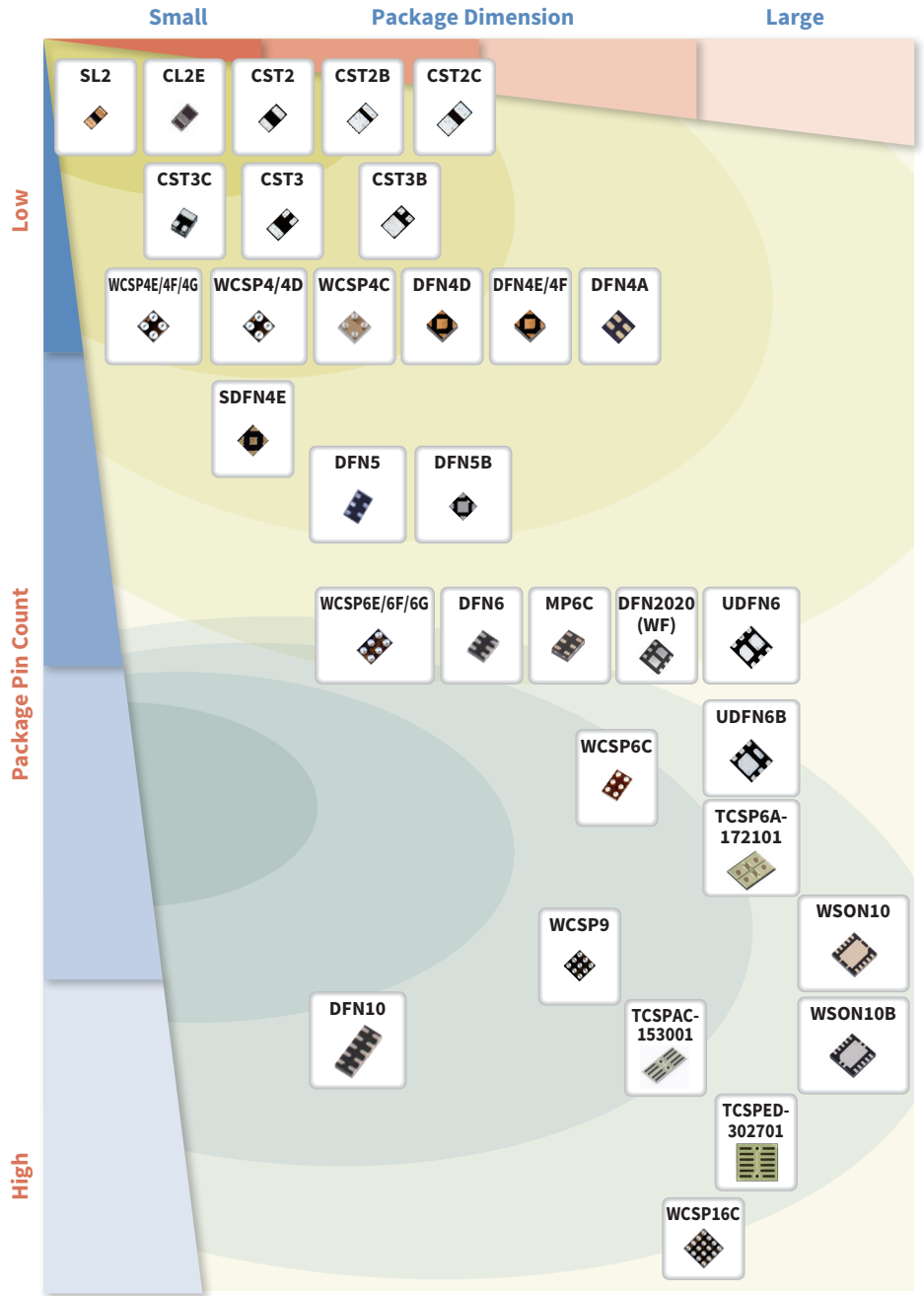


Surface Mount Type (Lead Type)

Package		Pin Count	Dimension W x L (mm)	Products									Page
				MOSFETs	Diodes	Power Management ICs				Linear ICs, Sensors	Transistors	RF Devices (Radio-Frequency Devices)	
						LDO Regulators	Load Switch ICs	eFuse ICs	MOSFET Gate Driver ICs				
SOD-923		2	1.0 x 0.6		✓							✓	8
ESC	(SOD-523)	2	1.6 x 0.8		✓							✓	8
USC	(SOD-323)	2	2.5 x 1.25		✓							✓	8
US2H	(SOD-323HE)	2	2.5 x 1.4		✓								8
VESM	(SOT-723)	3	1.2 x 1.2	✓	✓						✓	✓	8
SSM	(SOT-416)	3	1.6 x 1.6	✓	✓						✓	✓	8
UFM	(SOT-323F)	3	2.0 x 2.1	✓							✓	✓	9
USM	(SOT-323)	3	2.0 x 2.1	✓	✓						✓	✓	9
SOT23	(SOT-23)	3	2.9 x 2.4	✓	✓						✓		9
SOT-23F		3	2.9 x 2.4	✓						✓	✓	✓	9
S-Mini	(SOT-346)	3	2.9 x 2.5	✓	✓						✓	✓	9
PW-Mini		3	4.6 x 4.2									✓	9
USQ	(SOT-343)	4	2.0 x 2.1		✓							✓	10
SMQ	(SOT-24)	4	2.9 x 2.9		✓							✓	10
PW-X		4	6.1 x 6.3									✓	10
ESV	(SOT-553)	5	1.6 x 1.6	✓	✓	✓				✓	✓		10
UFV	(SOT-353F)	5	2.0 x 2.1	✓	✓	✓				✓			10
USV	(SOT-353)	5	2.0 x 2.1	✓	✓					✓	✓		10
SMV	(SOT-25)	5	2.9 x 2.8		✓	✓	✓			✓	✓		11
ES6	(SOT-563)	6	1.6 x 1.6	✓	✓						✓		11
UF6	(SOT-363F)	6	2.0 x 2.1	✓									11
US6	(SOT-363)	6	2.0 x 2.1	✓	✓						✓		11
SM6	(SOT-26)	6	2.9 x 2.8		✓						✓		11
TSOP6F		6	2.9 x 2.8	✓									11
US8	(SOT-765)	8	2.0 x 3.1							✓			12
SM8	(SOT-505)	8	2.9 x 4.0							✓			12

Note
Linear ICs, Sensors: Operational Amplifiers and Comparators , Magnetic Sensors

Surface Mount Type (Leadless Type)



Surface Mount Type (Leadless Type)

Package		Pin Count	Dimension W x L (mm)	Products									Page
				MOSFETs	Diodes	Power Management ICs				Linear ICs, Sensors	Transistors	RF Devices (Radio-Frequency Devices)	
						LDO Regulators	Load Switch ICs	eFuse ICs	MOSFET Gate Driver ICs				
SL2	(SOD-962)	2	0.62 x 0.32		✓							✓	13
CL2E		2	1.0 x 0.6		✓								13
CST2	(SOD-882)	2	1.0 x 0.6		✓							✓	13
CST2B		2	1.2 x 0.8		✓								13
CST2C	(SOD-963)	2	1.6 x 0.8		✓								13
CST3C		3	0.8 x 0.6	✓									13
CST3	(SOT-883)	3	1.0 x 0.6	✓	✓						✓		14
CST3B		3	1.2 x 0.8	✓									14
WCSP4E		4	0.645 x 0.645			✓							14
WCSP4F		4	0.645 x 0.645			✓							14
WCSP4G		4	0.645 x 0.645				✓						14
WCSP4		4	0.79 x 0.79			✓							14
WCSP4D		4	0.79 x 0.79				✓						15
SDFN4E		4	0.8 x 0.8			✓							15
WCSP4C		4	0.9 x 0.9				✓						15
DFN4D		4	1.0 x 1.0			✓							15
DFN4E		4	1.0 x 1.0			✓							15
DFN4F		4	1.0 x 1.0			✓							15
DFN4A		4	1.2 x 1.2				✓						16
DFN5B		5	1.2 x 1.2			✓							16
DFN5		5	1.3 x 0.8		✓								16
WCSP6E		6	1.2 x 0.8				✓		✓				16
WCSP6F		6	1.2 x 0.8			✓							16
WCSP6G		6	1.2 x 0.8						✓				16
DFN6		6	1.25 x 1.0		✓								17
MP6C		6	1.45 x 1.0							✓			17
WCSP6C		6	1.5 x 1.0	✓			✓						17
DFN2020(WF)		6	2.0 x 2.0	✓									17
UDFN6	(SOT-1118)	6	2.0 x 2.0	✓									17
UDFN6B	(SOT-1220)	6	2.0 x 2.0	✓	✓								17
TCSP6A-172101		6	2.14 x 1.67	✓									18
WCSP9		9	1.5 x 1.5				✓						18
DFN10		10	2.5 x 1.0		✓								18
TCSPAC-153001		10	2.98 x 1.49	✓									18
WSON10		10	3.0 x 3.0					✓					18
WSON10B		10	3.0 x 3.0					✓					18
TCSPED-302701		14	2.74 x 3.0	✓									19
WCSP16C		16	1.9 x 1.9				✓						19

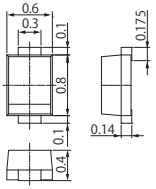
Note
Linear ICs, Sensors: Operational Amplifiers and Comparators , Magnetic Sensors

Dimensional Outline

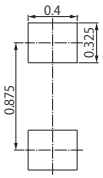
Surface Mount Type (Lead Type)

SOD-923 (1.0 x 0.6)

Package dimension unit : mm



Land pattern example unit : mm

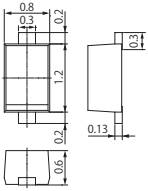


Pin count	Weight	MOQ
2	0.55 mg	10,000 p/reel

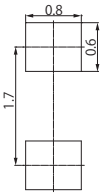
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

ESC (SOD-523) (1.6 x 0.8)

Package dimension unit : mm



Land pattern example unit : mm

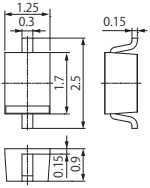


Pin count	Weight	MOQ
2	1.4 mg	- *

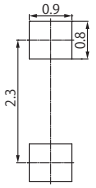
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

USC (SOD-323) (2.5 x 1.25)

Package dimension unit : mm



Land pattern example unit : mm



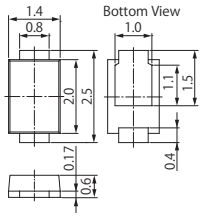
Pin count	Weight	MOQ
2	4.5 mg	3,000 p/reel

Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

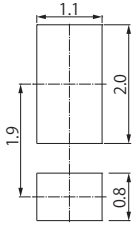
* TPL3 8,000p/reel, TPH3 4,000p/reel

US2H (SOD-323HE) (2.5 x 1.4)

Package dimension unit : mm



Land pattern example unit : mm

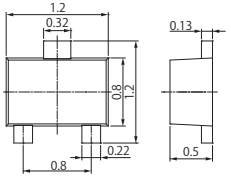


Pin count	Weight	MOQ
2	5.4 mg	3,000 p/reel

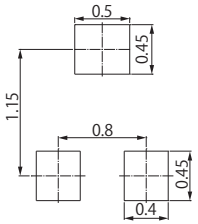
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

VESM (SOT-723) (1.2 x 1.2)

Package dimension unit : mm



Land pattern example unit : mm

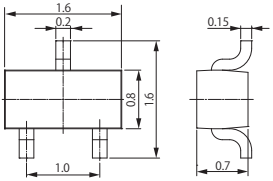


Pin count	Weight	MOQ
3	1.5 mg	8,000 p/reel

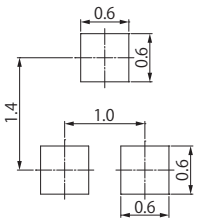
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

SSM (SOT-416) (1.6 x 1.6)

Package dimension unit : mm



Land pattern example unit : mm

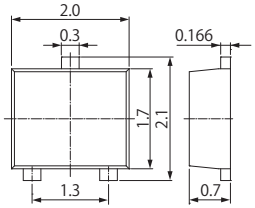


Pin count	Weight	MOQ
3	2.4 mg	3,000 p/reel

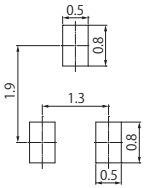
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

UFM (SOT-323F) (2.0 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm

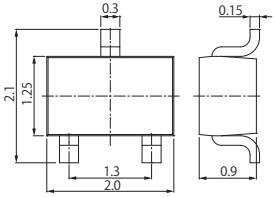


Pin count	Weight	MOQ
3	6.6 mg	3,000 p/reel

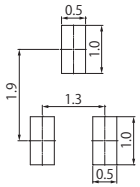
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

USM (SOT-323) (2.0 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm

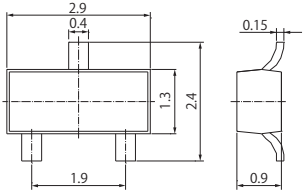


Pin count	Weight	MOQ
3	6 mg	3,000 p/reel

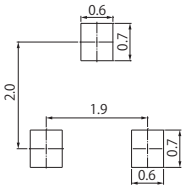
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

SOT23 (SOT-23) (2.9 x 2.4)

Package dimension unit : mm



Land pattern example unit : mm

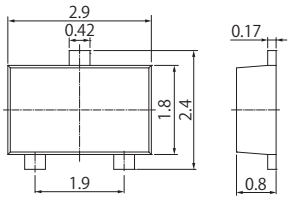


Pin count	Weight	MOQ
3	9 mg	3,000 p/reel

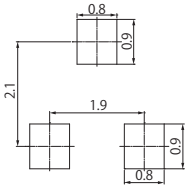
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

SOT-23F (2.9 x 2.4)

Package dimension unit : mm



Land pattern example unit : mm

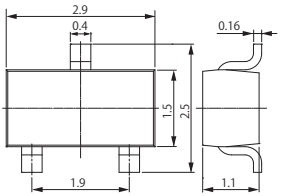


Pin count	Weight	MOQ
3	11 mg	3,000 p/reel

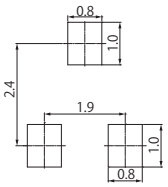
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

S-Mini (SOT-346) (2.9 x 2.5)

Package dimension unit : mm



Land pattern example unit : mm

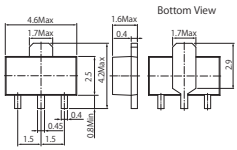


Pin count	Weight	MOQ
3	12 mg	3,000 p/reel

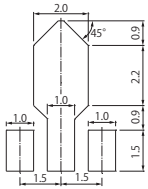
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

PW-Mini (4.6 x 4.2)

Package dimension unit : mm



Land pattern example unit : mm

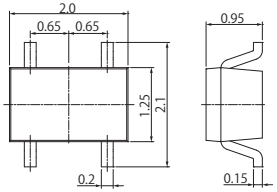


Pin count	Weight	MOQ
3	50 mg	1,000 p/reel

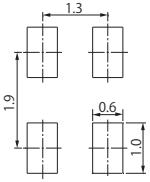
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	13 mm	12 mm

USQ (SOT-343) (2.0 x 2.1)

Package dimension unit : mm



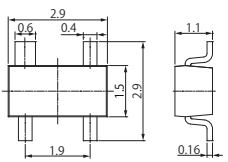
Land pattern example unit : mm



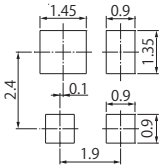
Pin count	Weight	MOQ
4	6 mg	3,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

SMQ (SOT-24) (2.9 x 2.9)

Package dimension unit : mm



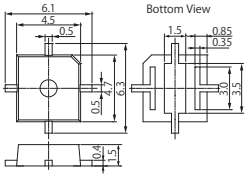
Land pattern example unit : mm



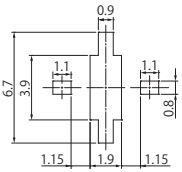
Pin count	Weight	MOQ
4	13 mg	3,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

PW-X (6.1 x 6.3)

Package dimension unit : mm



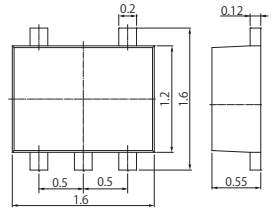
Land pattern example unit : mm



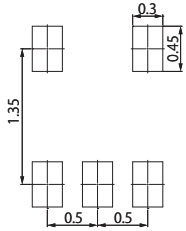
Pin count	Weight	MOQ
4	80 mg	1,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	13 mm	12 mm

ESV (SOT-553) (1.6 x 1.6)

Package dimension unit : mm



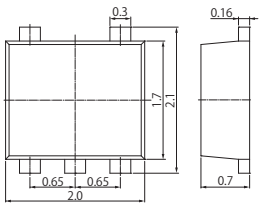
Land pattern example unit : mm



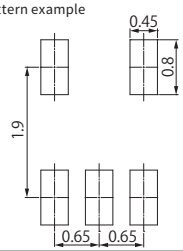
Pin count	Weight	MOQ
5	3 mg	- *
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

UFV (SOT-353F) (2.0 x 2.1)

Package dimension unit : mm



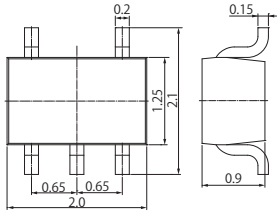
Land pattern example unit : mm



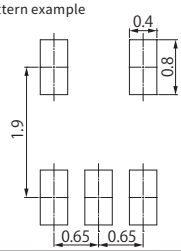
Pin count	Weight	MOQ
5	7 mg	3,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

USV (SOT-353) (2.0 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm

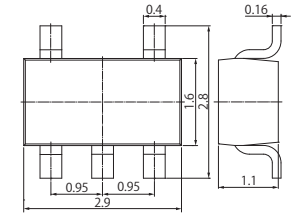


Pin count	Weight	MOQ
5	6 mg	3,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

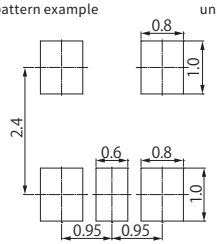
* TPL3 8,000p/reel, TE85L 4,000p/reel

SMV (SOT-25) (2.9 x 2.8)

Package dimension unit : mm



Land pattern example unit : mm

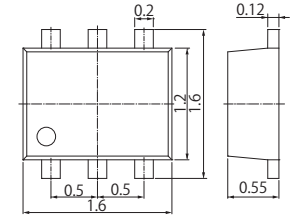


Pin count	Weight	MOQ
5	14 mg	3,000 p/reel

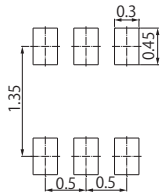
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

ES6 (SOT-563) (1.6 x 1.6)

Package dimension unit : mm



Land pattern example unit : mm

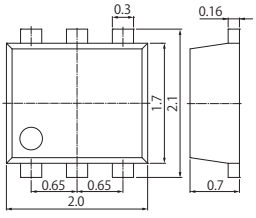


Pin count	Weight	MOQ
6	3 mg	- *

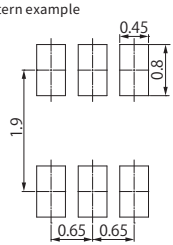
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

UF6 (SOT-363F) (2.0 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm



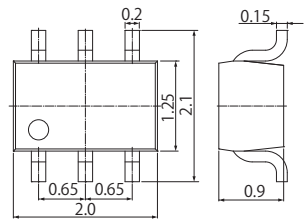
Pin count	Weight	MOQ
6	7 mg	3,000 p/reel

Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

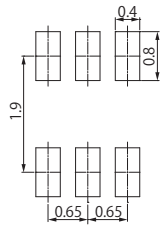
* TPL3 8,000p/reel, TE85L 4,000p/reel

US6 (SOT-363) (2.0 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm

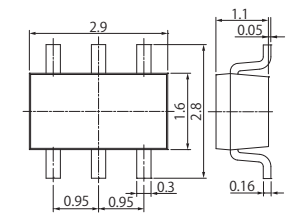


Pin count	Weight	MOQ
6	6.8 mg	3,000 p/reel

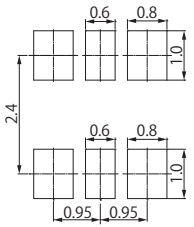
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

SM6 (SOT-26) (2.9 x 2.8)

Package dimension unit : mm



Land pattern example unit : mm

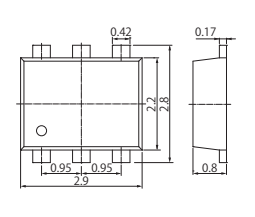


Pin count	Weight	MOQ
6	15 mg	3,000 p/reel

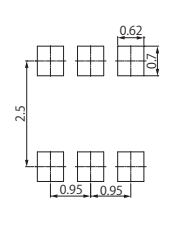
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

TSOP6F (2.9 x 2.8)

Package dimension unit : mm

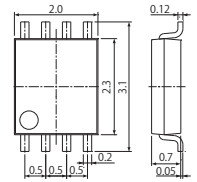
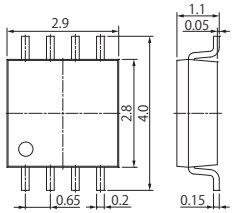
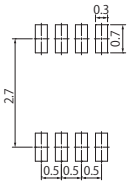
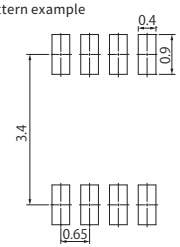


Land pattern example unit : mm



Pin count	Weight	MOQ
6	16 mg	3,000 p/reel

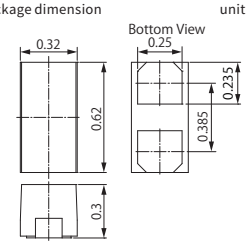
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

US8 (SOT-765) (2.0 x 3.1)			SM8 (SOT-505) (2.9 x 4.0)		
Package dimension unit : mm 			Package dimension unit : mm 		
Land pattern example unit : mm 			Land pattern example unit : mm 		
Pin count	Weight	MOQ	Pin count	Weight	MOQ
8	8.8 mg	3,000 p/reel	8	21 mg	3,000 p/reel
Reel dimension		Tape width	Reel dimension		Tape width
Diameter	Width		Diameter	Width	
180 mmΦ	9 mm	8 mm	180 mmΦ	13 mm	12 mm

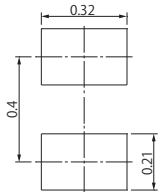
Surface Mount Type (Leadless Type)

SL2 (SOD-962) (0.62 x 0.32)

Package dimension unit : mm



Land pattern example unit : mm

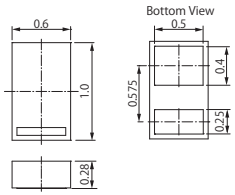


Pin count	Weight	MOQ
2	0.2 mg	10,000 p/reel

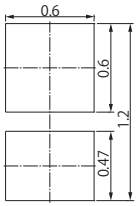
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

CL2E (1.0 x 0.6)

Package dimension unit : mm



Land pattern example unit : mm

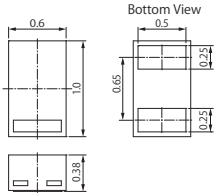


Pin count	Weight	MOQ
2	0.39 mg	10,000 p/reel

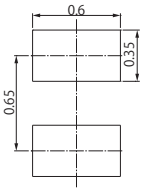
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

CST2 (SOD-882) (1.0 x 0.6)

Package dimension unit : mm



Land pattern example unit : mm

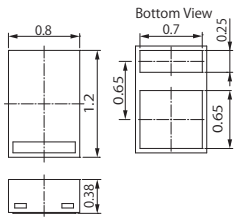


Pin count	Weight	MOQ
2	0.7 mg	10,000 p/reel

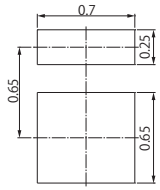
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

CST2B (1.2 x 0.8)

Package dimension unit : mm



Land pattern example unit : mm

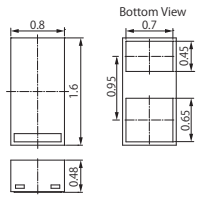


Pin count	Weight	MOQ
2	0.7 mg	10,000 p/reel

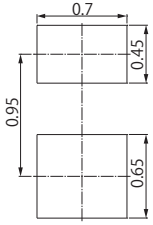
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

CST2C (SOD-963) (1.6 x 0.8)

Package dimension unit : mm



Land pattern example unit : mm

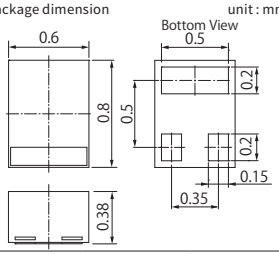


Pin count	Weight	MOQ
2	1.5 mg	10,000 p/reel

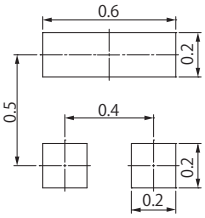
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

CST3C (0.8 x 0.6)

Package dimension unit : mm



Land pattern example unit : mm

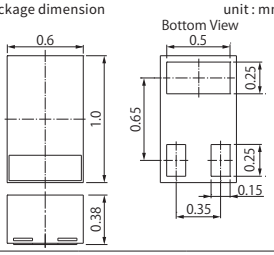


Pin count	Weight	MOQ
3	0.63 mg	10,000 p/reel

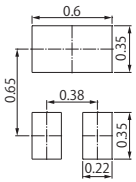
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

CST3 (SOT-883) (1.0 x 0.6)

Package dimension unit : mm



Land pattern example unit : mm

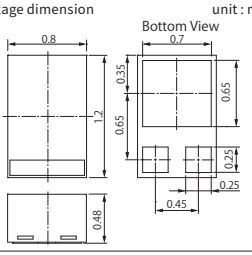


Pin count	Weight	MOQ
3	0.75 mg	10,000 p/reel

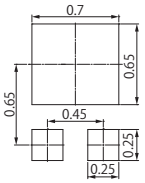
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

CST3B (1.2 x 0.8)

Package dimension unit : mm



Land pattern example unit : mm

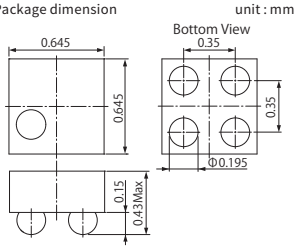


Pin count	Weight	MOQ
3	1.5 mg	10,000 p/reel

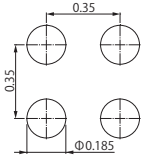
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP4E (0.645 x 0.645)

Package dimension unit : mm



Land pattern example unit : mm

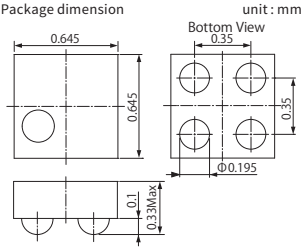


Pin count	Weight	MOQ
4	0.34 mg	5,000 p/reel

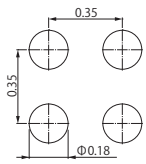
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP4F (0.645 x 0.645)

Package dimension unit : mm



Land pattern example unit : mm

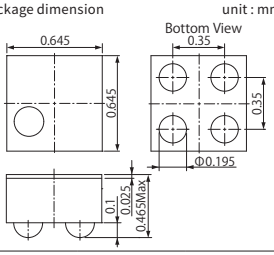


Pin count	Weight	MOQ
4	0.26 mg	5,000 p/reel

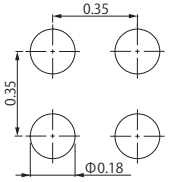
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP4G (0.645 x 0.645)

Package dimension unit : mm



Land pattern example unit : mm

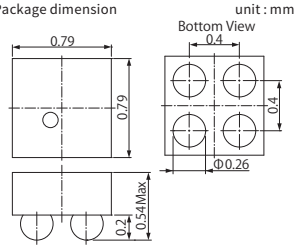


Pin count	Weight	MOQ
4	0.38 mg	5,000 p/reel

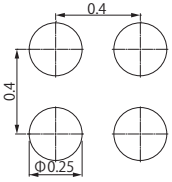
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP4 (0.79 x 0.79)

Package dimension unit : mm



Land pattern example unit : mm

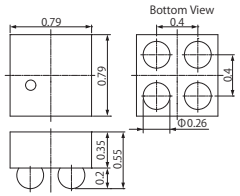


Pin count	Weight	MOQ
4	0.7 mg	3,000 p/reel

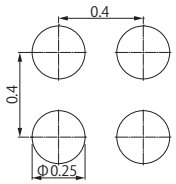
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP4D (0.79 x 0.79)

Package dimension unit : mm



Land pattern example unit : mm

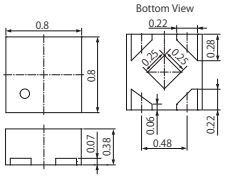


Pin count	Weight	MOQ
4	0.79 mg	5,000 p/reel

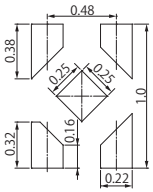
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

SDFN4E (0.8 x 0.8)

Package dimension unit : mm



Land pattern example unit : mm

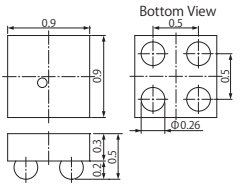


Pin count	Weight	MOQ
4	0.6 mg	10,000 p/reel

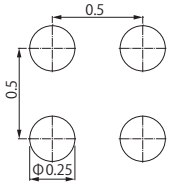
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP4C (0.9 x 0.9)

Package dimension unit : mm



Land pattern example unit : mm

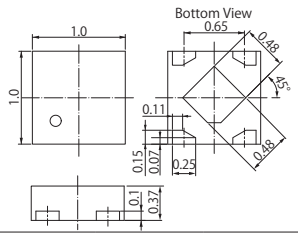


Pin count	Weight	MOQ
4	0.9 mg	3,000 p/reel

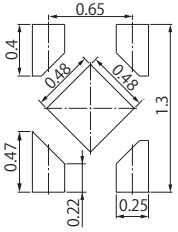
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN4D (1.0 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

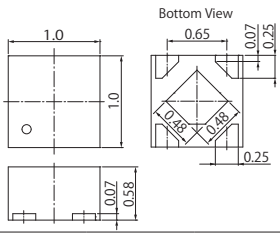


Pin count	Weight	MOQ
4		

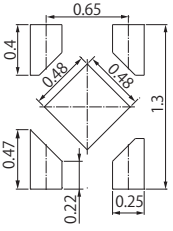
Reel dimension		Tape width
Diameter	Width	

DFN4E (1.0 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

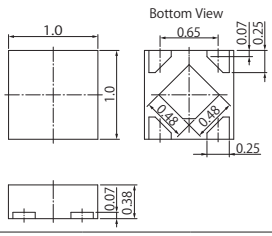


Pin count	Weight	MOQ
4	1.3 mg	10,000 p/reel

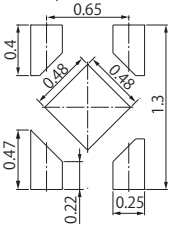
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN4F (1.0 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

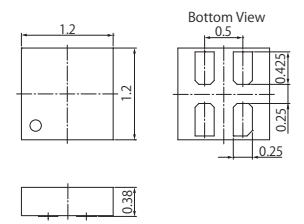


Pin count	Weight	MOQ
4	0.93 mg	10,000 p/reel

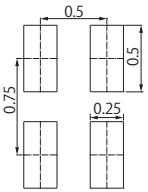
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN4A (1.2 x 1.2)

Package dimension unit : mm



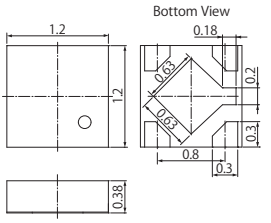
Land pattern example unit : mm



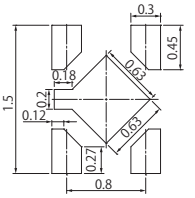
Pin count	Weight	MOQ
4	1.45 mg	5,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN5B (1.2 x 1.2)

Package dimension unit : mm



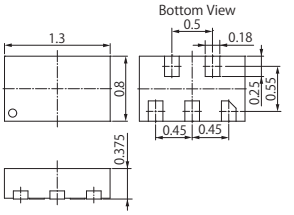
Land pattern example unit : mm



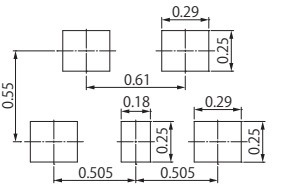
Pin count	Weight	MOQ
5	1.4 mg	5,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN5 (1.3 x 0.8)

Package dimension unit : mm



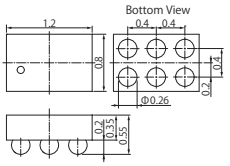
Land pattern example unit : mm



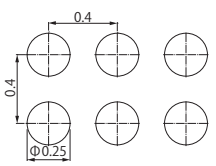
Pin count	Weight	MOQ
5	1 mg	5,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP6E (1.2 x 0.8)

Package dimension unit : mm



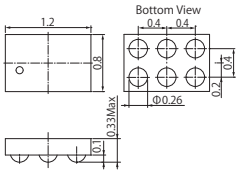
Land pattern example unit : mm



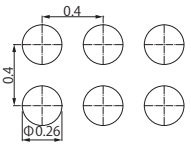
Pin count	Weight	MOQ
6	1 mg	5,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP6F (1.2 x 0.8)

Package dimension unit : mm



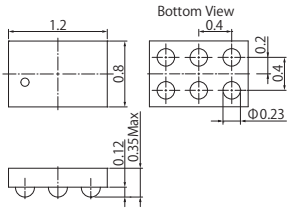
Land pattern example unit : mm



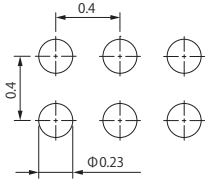
Pin count	Weight	MOQ
6	0.61 mg	5,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP6G (1.2 x 0.8)

Package dimension unit : mm



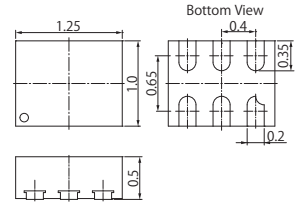
Land pattern example unit : mm



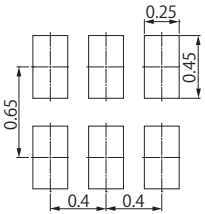
Pin count	Weight	MOQ
6	0.61 mg	5,000 p/reel
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN6 (1.25 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

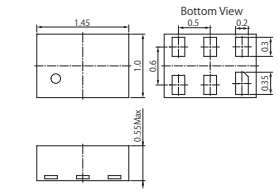


Pin count	Weight	MOQ
6	0.7 mg	3,000 p/reel

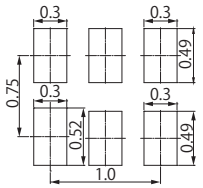
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9.5 mm	8 mm

MP6C (1.45 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

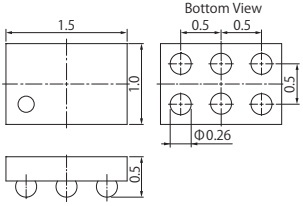


Pin count	Weight	MOQ
6	2.4 mg	5,000 p/reel

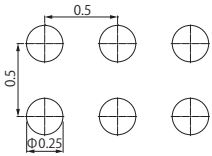
Reel dimension		Tape width
Diameter	Width	
179 mmΦ	9 mm	8 mm

WCSP6C (1.5 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

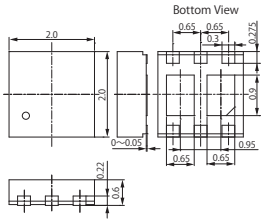


Pin count	Weight	MOQ
6	1.4 mg	3,000 p/reel

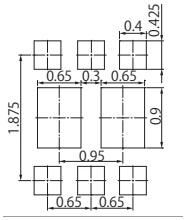
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN2020(WF) (2.0 x 2.0)

Package dimension unit : mm



Land pattern example unit : mm

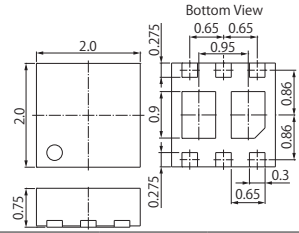


Pin count	Weight	MOQ
6		

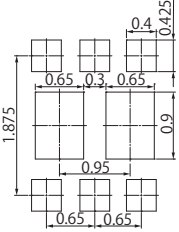
Reel dimension		Tape width
Diameter	Width	

UDFN6 (SOT-1118) (2.0 x 2.0)

Package dimension unit : mm



Land pattern example unit : mm

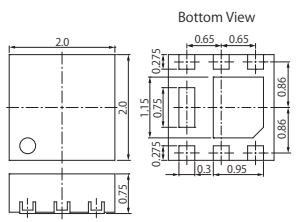


Pin count	Weight	MOQ
6	8.5 mg	3,000 p/reel

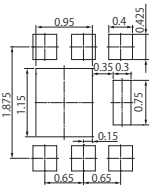
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

UDFN6B (SOT-1220) (2.0 x 2.0)

Package dimension unit : mm



Land pattern example unit : mm

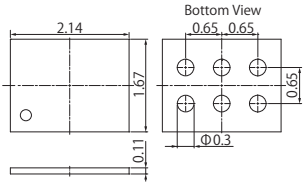


Pin count	Weight	MOQ
6	8.5 mg	3,000 p/reel

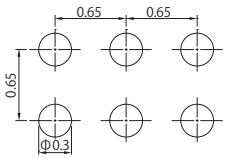
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

TCSP6A-172101 (2.14 x 1.67)

Package dimension unit : mm



Land pattern example unit : mm

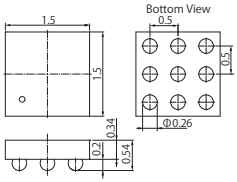


Pin count	Weight	MOQ
6	1.251 mg	10,000 p/reel

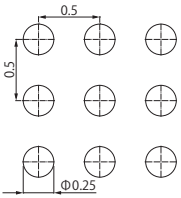
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WCSP9 (1.5 x 1.5)

Package dimension unit : mm



Land pattern example unit : mm

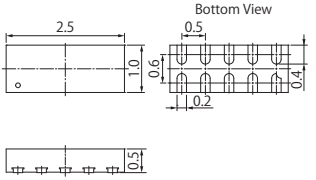


Pin count	Weight	MOQ
9	3.5 mg	5,000 p/reel

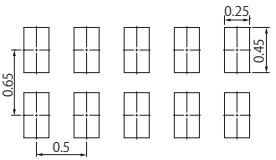
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN10 (2.5 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

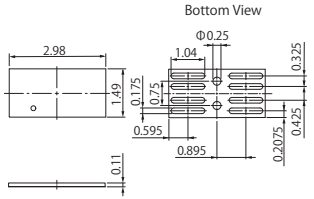


Pin count	Weight	MOQ
10	3.2 mg	3,000 p/reel

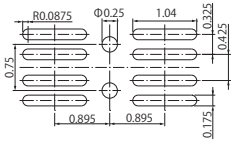
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9.5 mm	8 mm

TCSPAC-153001 (2.98 x 1.49)

Package dimension unit : mm



Land pattern example unit : mm

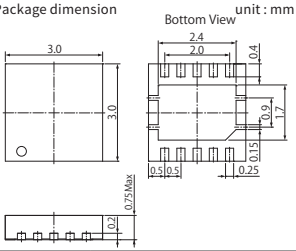


Pin count	Weight	MOQ
10	1.499 mg	

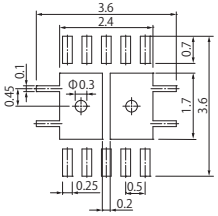
Reel dimension		Tape width
Diameter	Width	

WSON10 (3.0 x 3.0)

Package dimension unit : mm



Land pattern example unit : mm

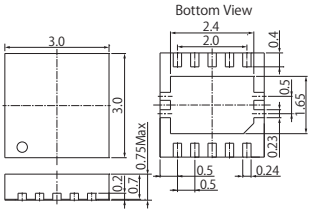


Pin count	Weight	MOQ
10	19.7 mg	4,000 p/reel

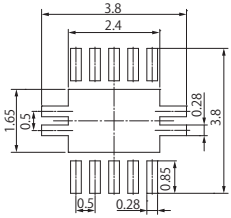
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WSON10B (3.0 x 3.0)

Package dimension unit : mm

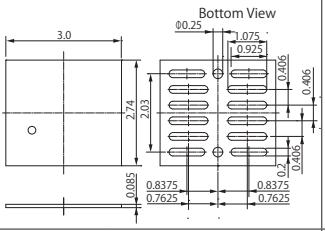
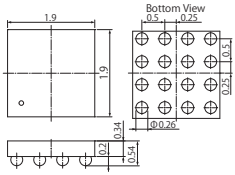
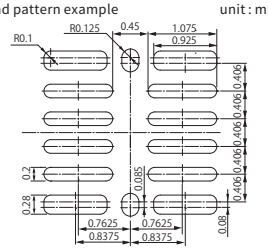
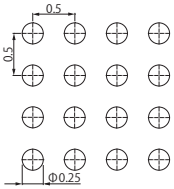


Land pattern example unit : mm



Pin count	Weight	MOQ
10	19.3 mg	4,000 p/reel

Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

TCSPED-302701 (2.74 x 3.0)	WCSP16C (1.9 x 1.9)
Package dimension unit : mm 	Package dimension unit : mm 
Land pattern example unit : mm 	Land pattern example unit : mm 

Pin count	Weight	MOQ
14		

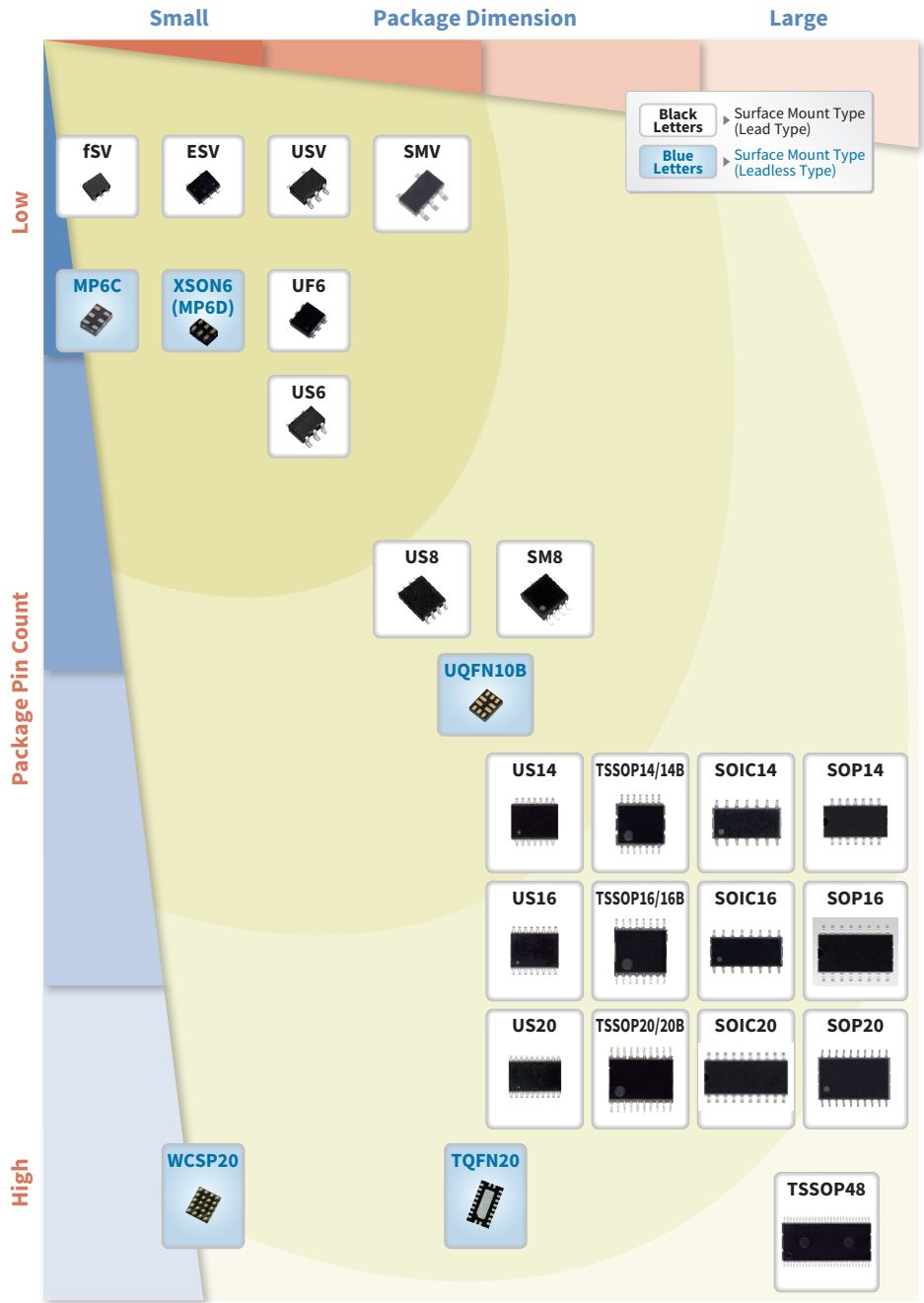
Reel dimension		Tape width
Diameter	Width	

Pin count	Weight	MOQ
16	3.9 mg	5,000 p/reel

Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

2. Logic ICs

Package Lineups



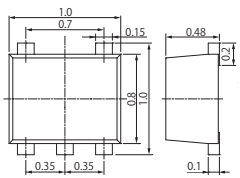
Package			Pin Count	Dimension W x L (mm)	Products				Page
					One-Gate Logic	CMOS Logic ICs	Bus Switches	Level Shifters	
Surface Mount Type (Lead Type)	fSV	(SOT-953)	5	1.0 x 1.0	✓			✓	22
	ESV	(SOT-553)	5	1.6 x 1.6	✓				22
	USV	(SOT-353)	5	2.0 x 2.1	✓		✓	✓	22
	SMV	(SOT-25)	5	2.9 x 2.8	✓				22
	UF6	(SOT-363F)	6	2.0 x 2.1				✓	22
	US6	(SOT-363)	6	2.0 x 2.1	✓		✓		22
	US8	(SOT-765)	8	2.0 x 3.1	✓		✓	✓	23
	SM8	(SOT-505)	8	2.9 x 4.0	✓				23
	US14		14	4.0 x 4.0		✓	✓	✓	23
	TSSOP14		14	5.0 x 6.4		✓	✓	✓	23
	TSSOP14B		14	5.0 x 6.4		✓			23
	SOIC14		14	8.65 x 6.0		✓			23
	SOP14		14	10.3 x 7.8		✓			24
	US16		16	4.0 x 4.0		✓	✓	✓	24
	TSSOP16		16	5.0 x 6.4		✓	✓	✓	24
	TSSOP16B		16	5.0 x 6.4		✓		✓	24
	SOIC16		16	9.9 x 6.0		✓			24
	SOP16		16	10.3 x 7.8		✓			24
	US20		20	5.0 x 4.0		✓	✓	✓	25
	TSSOP20		20	6.5 x 6.4		✓	✓	✓	25
	TSSOP20B		20	6.5 x 6.4		✓			25
	SOP20		20	12.8 x 7.8		✓			25
	SOIC20		20	12.8 x 10.3		✓			25
	TSSOP48		48	12.5 x 8.1		✓		✓	25
Surface Mount Type (Leadless Type)	MP6C		6	1.45 x 1.0				✓	26
	XSON6(MP6D)		6	1.45 x 1.0	✓		✓		26
	UQFN10B		10	1.8 x 1.4			✓		26
	TQFN20		20	4.5 x 2.5			✓		26
	WCSP20		20	1.6 x 2.0			✓		26

Dimensional Outline

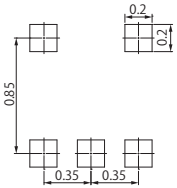
Surface Mount Type (Lead Type)

fSV (SOT-953) (1.0 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

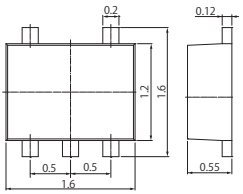


Pin count	Weight	MOQ
5	1 mg	10,000 p/reel

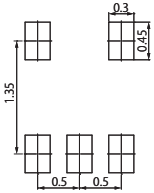
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

ESV (SOT-553) (1.6 x 1.6)

Package dimension unit : mm



Land pattern example unit : mm

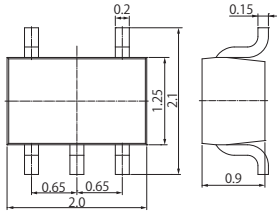


Pin count	Weight	MOQ
5	3 mg	- *

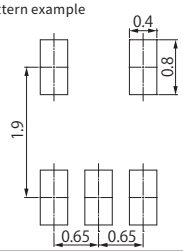
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

USV (SOT-353) (2.0 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm



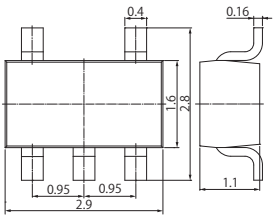
Pin count	Weight	MOQ
5	6 mg	3,000 p/reel

Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

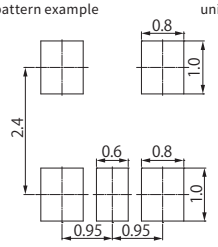
* TPL3 8,000p/reel, TE85L 4,000p/reel

SMV (SOT-25) (2.9 x 2.8)

Package dimension unit : mm



Land pattern example unit : mm

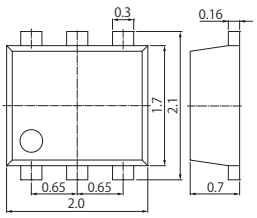


Pin count	Weight	MOQ
5	14 mg	3,000 p/reel

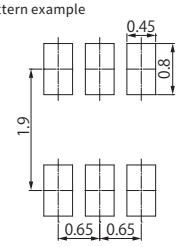
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

UF6 (SOT-363F) (2.0 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm

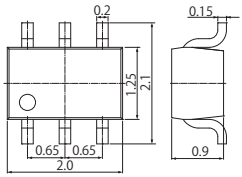


Pin count	Weight	MOQ
6	7 mg	3,000 p/reel

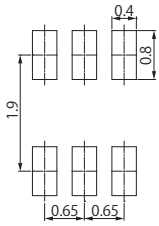
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

US6 (SOT-363) (2.0 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm

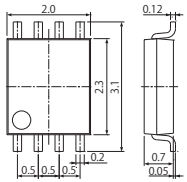


Pin count	Weight	MOQ
6	6.8 mg	3,000 p/reel

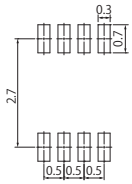
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

US8 (SOT-765) (2.0 x 3.1)

Package dimension unit : mm



Land pattern example unit : mm

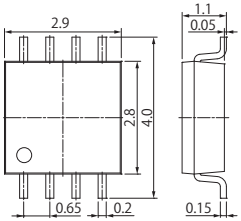


Pin count	Weight	MOQ
8	8.8 mg	3,000 p/reel

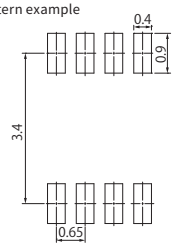
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

SM8 (SOT-505) (2.9 x 4.0)

Package dimension unit : mm



Land pattern example unit : mm

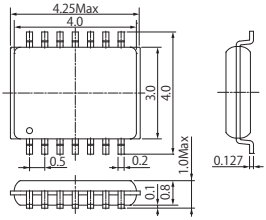


Pin count	Weight	MOQ
8	21 mg	3,000 p/reel

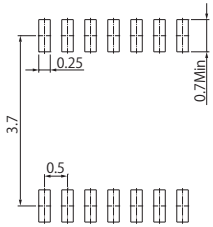
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	13 mm	12 mm

US14 (4.0 x 4.0)

Package dimension unit : mm



Land pattern example unit : mm

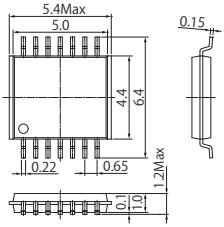


Pin count	Weight	MOQ
14	20 mg	2,500 p/reel

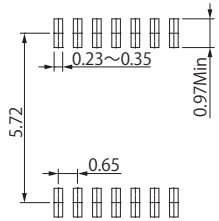
Reel dimension		Tape width
Diameter	Width	
254 mmΦ	13 mm	12 mm

TSSOP14 (5.0 x 6.4)

Package dimension unit : mm



Land pattern example unit : mm

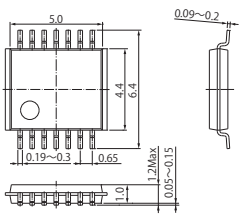


Pin count	Weight	MOQ
14	60 mg	2,000 p/reel

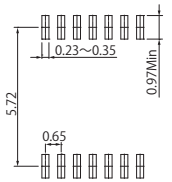
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

TSSOP14B (5.0 x 6.4)

Package dimension unit : mm



Land pattern example unit : mm

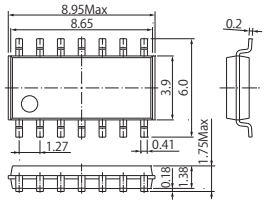


Pin count	Weight	MOQ
14	54 mg	2,500 p/reel

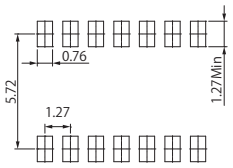
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13 mm	12 mm

SOIC14 (8.65 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm

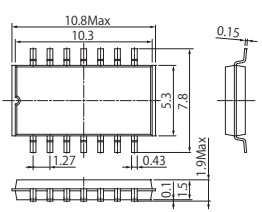


Pin count	Weight	MOQ
14	130 mg	2,500 p/reel

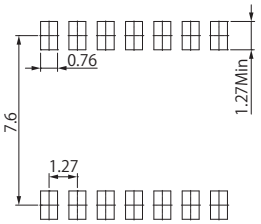
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.4 mm	16 mm

SOP14 (10.3 x 7.8)

Package dimension unit : mm



Land pattern example unit : mm

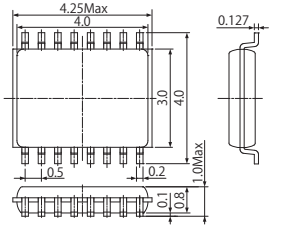


Pin count	Weight	MOQ
14	180 mg	2,000 p/reel

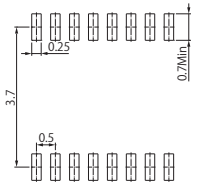
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

US16 (4.0 x 4.0)

Package dimension unit : mm



Land pattern example unit : mm

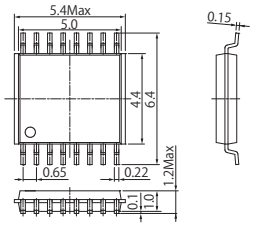


Pin count	Weight	MOQ
16	20 mg	2,500 p/reel

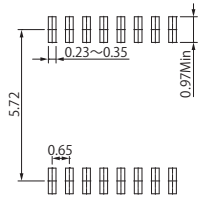
Reel dimension		Tape width
Diameter	Width	
254 mmΦ	13 mm	12 mm

TSSOP16 (5.0 x 6.4)

Package dimension unit : mm



Land pattern example unit : mm

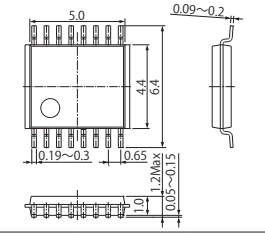


Pin count	Weight	MOQ
16	60 mg	2,000 p/reel

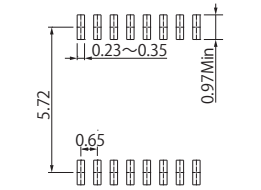
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

TSSOP16B (5.0 x 6.4)

Package dimension unit : mm



Land pattern example unit : mm

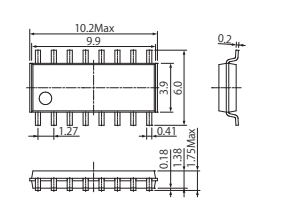


Pin count	Weight	MOQ
16	55 mg	2,500 p/reel

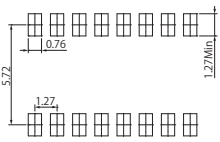
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

SOIC16 (9.9 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm

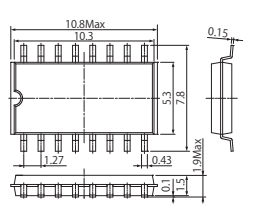


Pin count	Weight	MOQ
16	150 mg	2,500 p/reel

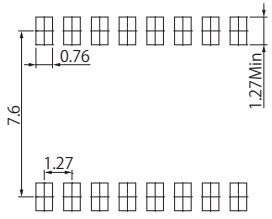
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.4 mm	16 mm

SOP16 (10.3 x 7.8)

Package dimension unit : mm



Land pattern example unit : mm

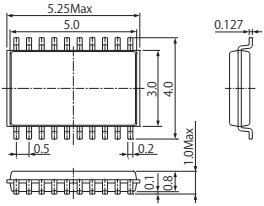


Pin count	Weight	MOQ
16	180 mg	2,000 p/reel

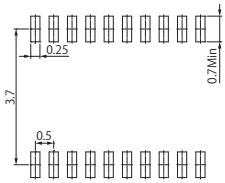
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

US20 (5.0 x 4.0)

Package dimension unit : mm



Land pattern example unit : mm

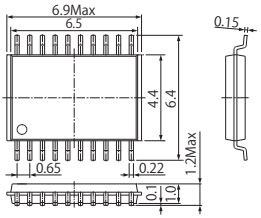


Pin count	Weight	MOQ
20	30 mg	2,500 p/reel

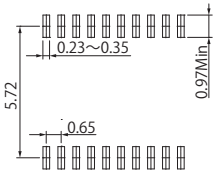
Reel dimension		Tape width
Diameter	Width	
254 mmΦ	13 mm	12 mm

TSSOP20 (6.5 x 6.4)

Package dimension unit : mm



Land pattern example unit : mm

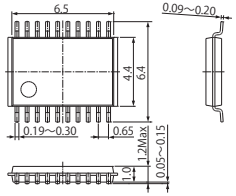


Pin count	Weight	MOQ
20	80 mg	2,000 p/reel

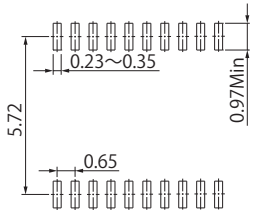
Reel dimension		Tape width
Diameter	Width	
220 mmΦ	17.5 mm	16 mm

TSSOP20B (6.5 x 6.4)

Package dimension unit : mm



Land pattern example unit : mm

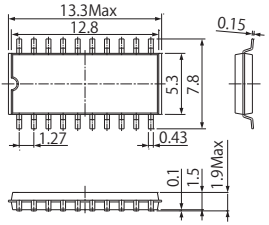


Pin count	Weight	MOQ
20	71 mg	2,500 p/reel

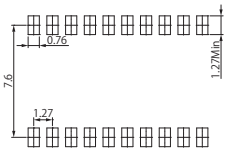
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17 mm	16 mm

SOP20 (12.8 x 7.8)

Package dimension unit : mm



Land pattern example unit : mm

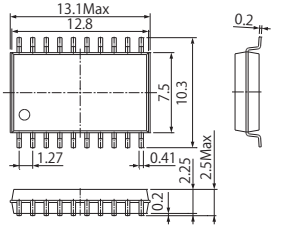


Pin count	Weight	MOQ
20	220 mg	2,000 p/reel

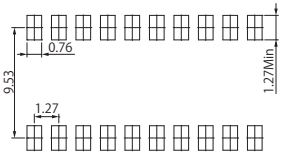
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	25.5 mm	24 mm

SOIC20 (12.8 x 10.3)

Package dimension unit : mm



Land pattern example unit : mm

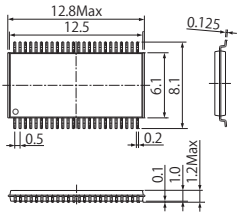


Pin count	Weight	MOQ
20	510 mg	2,000 p/reel

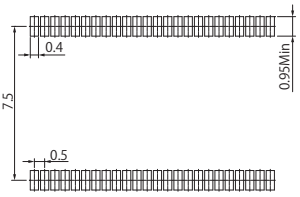
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	25.4 mm	24 mm

TSSOP48 (12.5 x 8.1)

Package dimension unit : mm



Land pattern example unit : mm



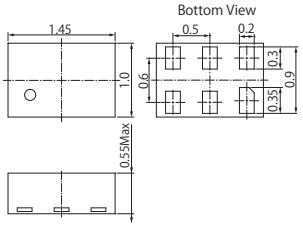
Pin count	Weight	MOQ
48	250 mg	1,000 p/reel

Reel dimension		Tape width
Diameter	Width	
330 mmΦ	25.5 mm	24 mm

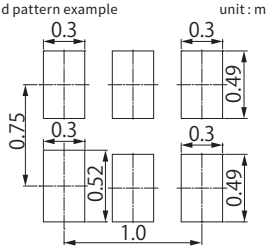
Surface Mount Type (Leadless Type)

MP6C (1.45 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

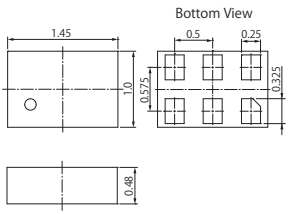


Pin count	Weight	MOQ
6	2.4 mg	5,000 p/reel

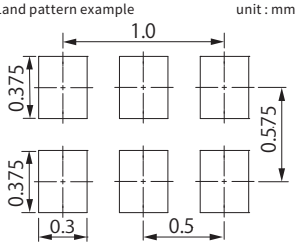
Reel dimension		Tape width
Diameter	Width	
179 mmΦ	8.4 mm	8 mm

XSON6(MP6D) (1.45 x 1.0)

Package dimension unit : mm



Land pattern example unit : mm

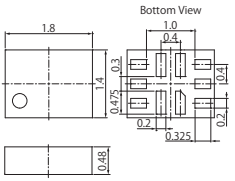


Pin count	Weight	MOQ
6	2.4 mg	10,000 p/reel

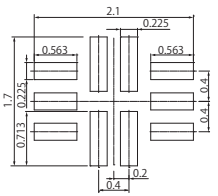
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

UQFN10B (1.8 x 1.4)

Package dimension unit : mm



Land pattern example unit : mm

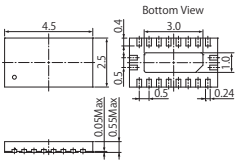


Pin count	Weight	MOQ
10	3.5 mg	3,000 p/reel

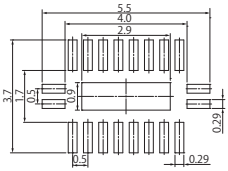
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

TQFN20 (4.5 x 2.5)

Package dimension unit : mm



Land pattern example unit : mm

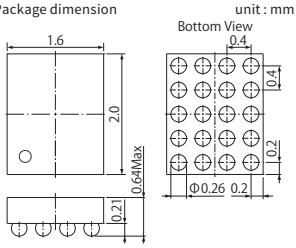


Pin count	Weight	MOQ
20	17 mg	5,000 p/reel

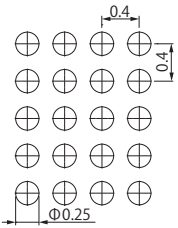
Reel dimension		Tape width
Diameter	Width	
179 mmΦ	13.8 mm	12 mm

WCSP20 (1.6 x 2.0)

Package dimension unit : mm



Land pattern example unit : mm

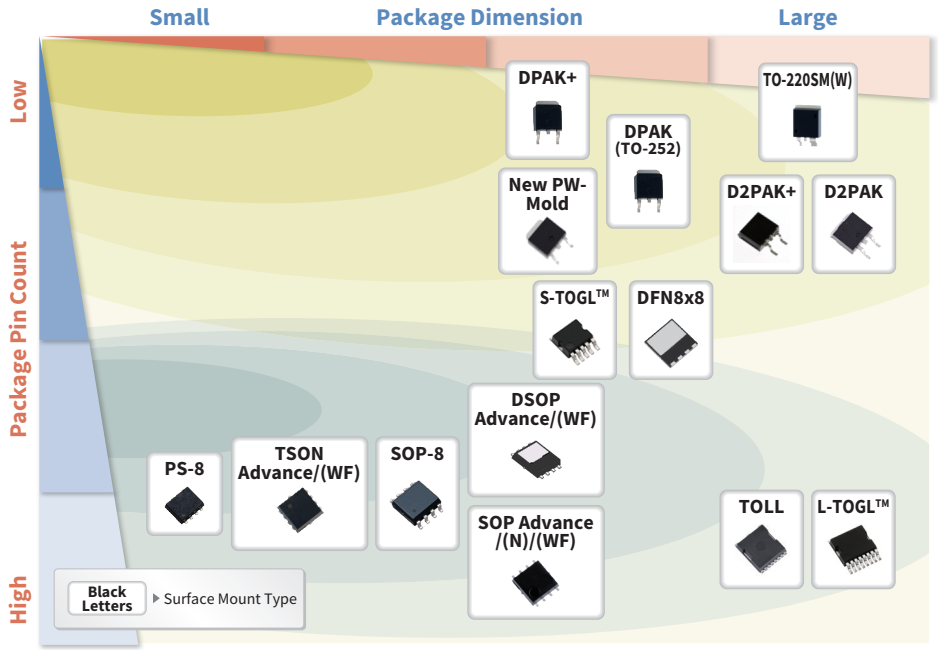


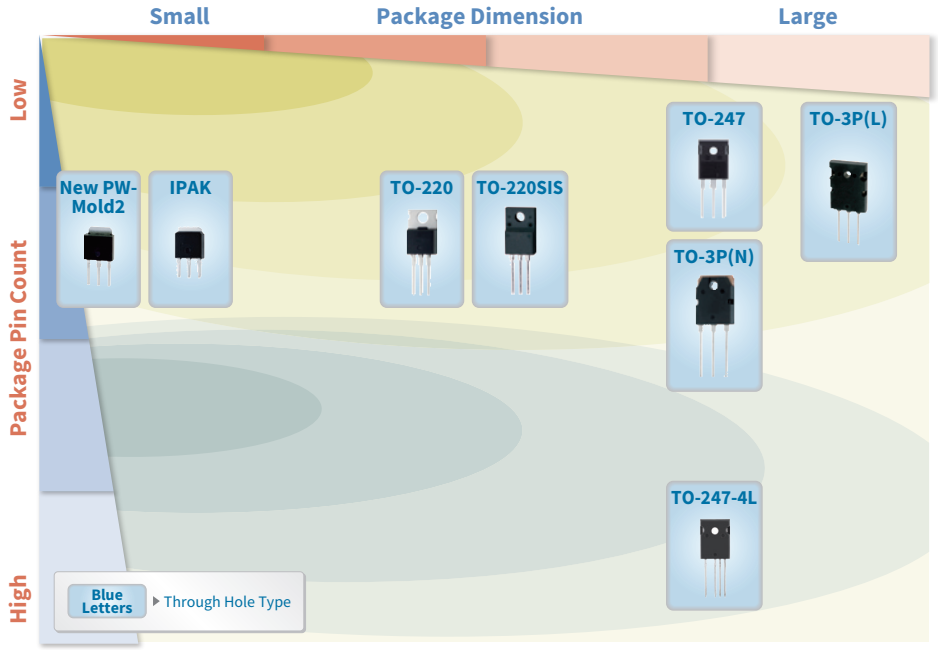
Pin count	Weight	MOQ
20	5 mg	3,000 p/reel

Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

3. Power MOSFETs

Package Lineups





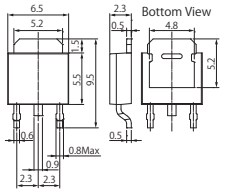
Package			Pin Count	Dimension W x L (mm)	Page
Surface Mount Type		DPAK+	3	6.5 x 9.5	30
		New PW-Mold	3	6.5 x 9.5	30
		DPAK 2-7K1S	3	6.6 x 10.0	30
		DPAK 2-7N1S	3	6.54 x 10.14	30
		TO-220SM(W)	3	10.0 x 13.0	30
		D2PAK+	3	10.0 x 15.0	30
		D2PAK	3	10.35 x 15.3	31
		DFN8x8	5	8.0 x 8.0	31
		S-TOGL™	6	7.0 x 8.44	31
		PS-8	8	2.9 x 2.8	31
		TSON Advance	8	3.1 x 3.3	31
		SOP-8 2-5R1S	8	4.9 x 6.0	31
		SOP-8 2-6J1S	8	5.0 x 6.0	32
		DSOP Advance	8	5.0 x 6.0	32
		SOP Advance	8	5.0 x 6.0	32
		SOP Advance(N)	8	4.9 x 6.1	32
		TOLL	9	9.9 x 11.68	32
		L-TOGL™	9	9.9 x 11.81	32
	Wettable Flank Lead Terminal	TSON Advance(WF)	8	3.1 x 3.6	33
		DSOP Advance(WF)L	8	5.0 x 6.0	33
		DSOP Advance(WF)M	8	5.0 x 6.0	33
		SOP Advance(WF)	8	5.0 x 6.0	33
Through Hole Type		New PW-Mold2	3	6.5 x 5.5	34
		IPAK	3	6.65 x 6.1	34
		TO-220	3	10.16 x 15.1	34
		TO-220SIS	3	10.0 x 15.0	34
		TO-3P(N)	3	15.5 x 20.0	34
		TO-247	3	15.94 x 20.95	34
		TO-3P(L)	3	20.0 x 26.0	35
		TO-247-4L	4	15.94 x 20.95	35

Dimensional Outline

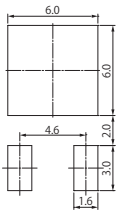
Surface Mount Type

DPAK+ (6.5 x 9.5)

Package dimension unit : mm



Land pattern example unit : mm

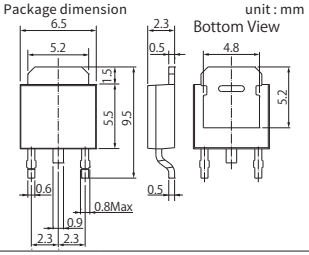


Pin count	Weight	MOQ
3	360 mg	2,000 p/reel

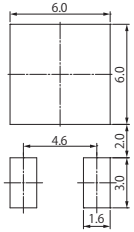
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

New PW-Mold (6.5 x 9.5)

Package dimension unit : mm



Land pattern example unit : mm

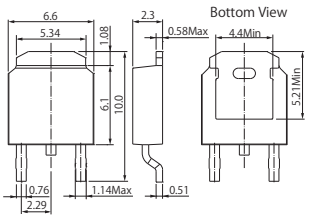


Pin count	Weight	MOQ
3	360 mg	2,000 p/reel

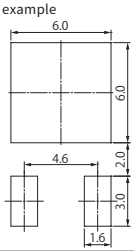
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

DPAK 2-7K1S (TO-252) (6.6 x 10.0)

Package dimension unit : mm



Land pattern example unit : mm

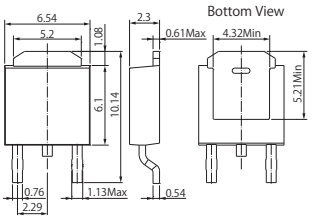


Pin count	Weight	MOQ
3	360 mg	2,000 p/reel

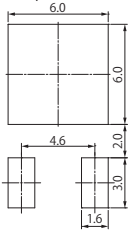
Reel dimension		Tape width
Diameter	Width	
332 mmΦ	16.4 mm	16 mm

DPAK 2-7N1S (TO-252) (6.54 x 10.14)

Package dimension unit : mm



Land pattern example unit : mm

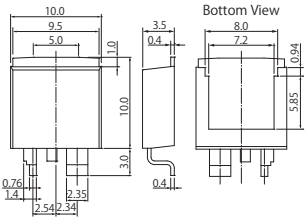


Pin count	Weight	MOQ
3	389 mg	2,500 p/reel

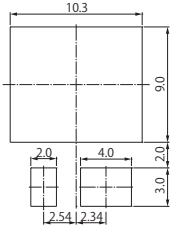
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.2 mm	16 mm

TO-220SM(W) (10.0 x 13.0)

Package dimension unit : mm



Land pattern example unit : mm

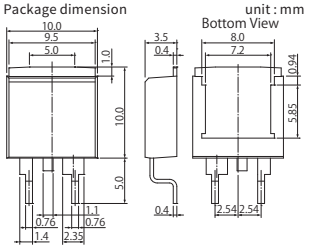


Pin count	Weight	MOQ
3	1070 mg	1,000 p/reel

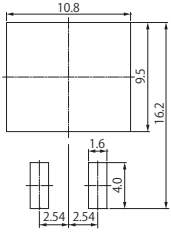
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	25.5 mm	24 mm

D2PAK+ (10.0 x 15.0)

Package dimension unit : mm



Land pattern example unit : mm

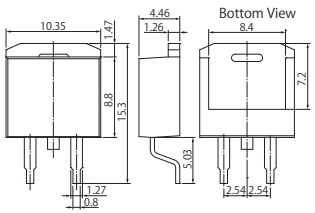


Pin count	Weight	MOQ
3	992 mg	1,000 p/reel

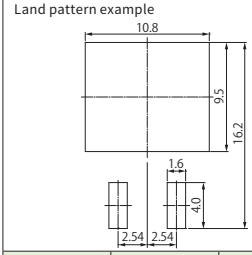
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	25.4 mm	24 mm

D2PAK (10.35 x 15.3)

Package dimension unit : mm



Land pattern example unit : mm

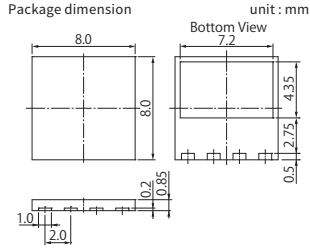


Pin count	Weight	MOQ
3	1590 mg	1,000 p/reel

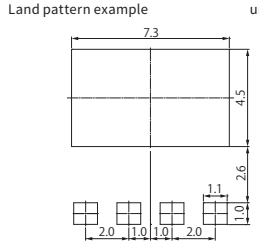
Reel dimension		Tape width
Diameter	Width	
332 mmΦ	25.65 mm	24 mm

DFN8x8 (8.0 x 8.0)

Package dimension unit : mm



Land pattern example unit : mm

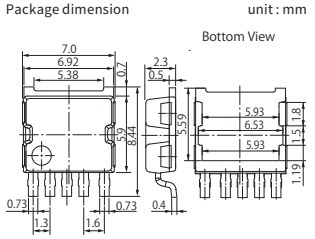


Pin count	Weight	MOQ
5	175 mg	2,500 p/reel

Reel dimension		Tape width
Diameter	Width	
332 mmΦ	17.2 mm	16 mm

S-TOGL™ (7.0 x 8.44) *

Package dimension unit : mm



Land pattern example unit : mm

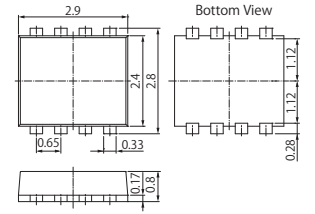
Pin count	Weight	MOQ
6		

Reel dimension		Tape width
Diameter	Width	

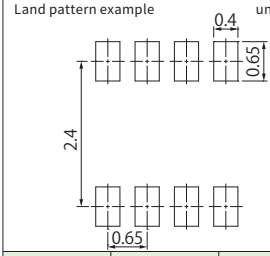
* Under Development
(The specification is subject to change without notice.)

PS-8 (2.9 x 2.8)

Package dimension unit : mm



Land pattern example unit : mm

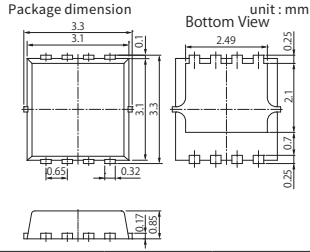


Pin count	Weight	MOQ
8	17 mg	3,000 p/reel

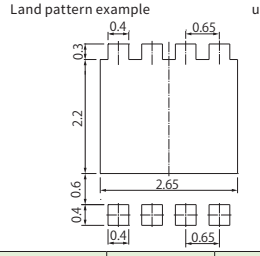
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

TSON Advance (3.1 x 3.3)

Package dimension unit : mm



Land pattern example unit : mm

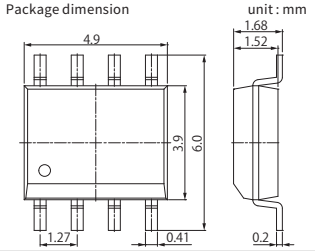


Pin count	Weight	MOQ
8	20 mg	- *

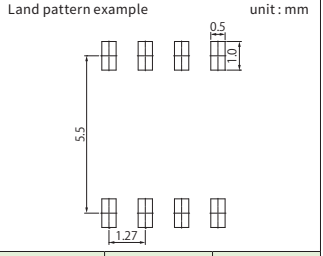
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

SOP-8 2-5R1S (4.9 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm



Pin count	Weight	MOQ
8	85 mg	2,500 p/reel

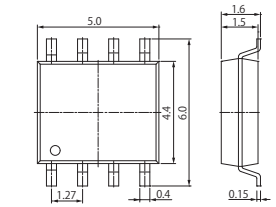
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.4 mm	12 mm

* 3,000 or 5,000pcs/reel

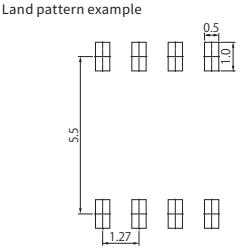
Surface Mount Type

SOP-8 2-6J1S (5.0 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm

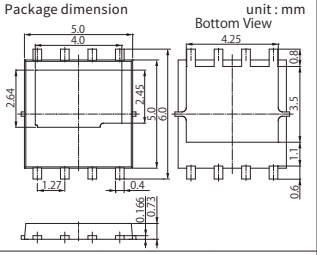


Pin count	Weight	MOQ
8	85 mg	3,000 p/reel

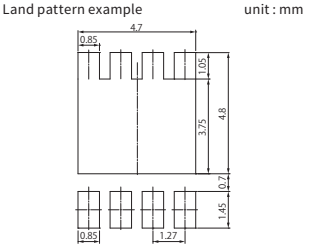
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.4 mm	12 mm

DSOP Advance (5.0 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm

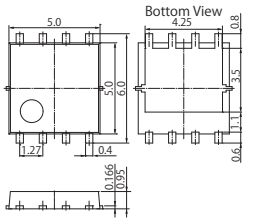


Pin count	Weight	MOQ
8	98 mg	5,000 p/reel

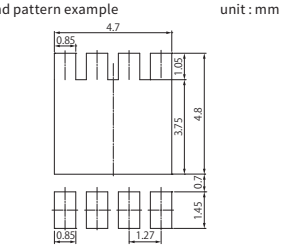
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

SOP Advance (5.0 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm



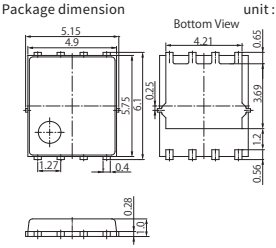
Pin count	Weight	MOQ
8	69 mg	- *

Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

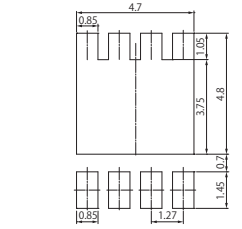
* 3,000 or 5,000pcs/reel

SOP Advance(N) (4.9 x 6.1)

Package dimension unit : mm



Land pattern example unit : mm

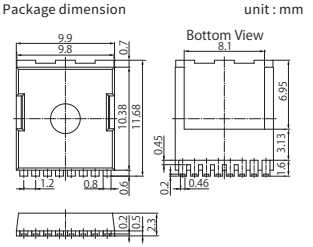


Pin count	Weight	MOQ
8	105 mg	5,000 p/reel

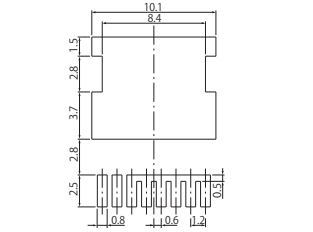
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

TOLL (9.9 x 11.68)

Package dimension unit : mm



Land pattern example unit : mm

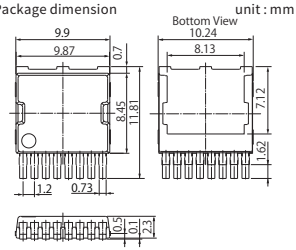


Pin count	Weight	MOQ
9	750 mg	2,000 p/reel

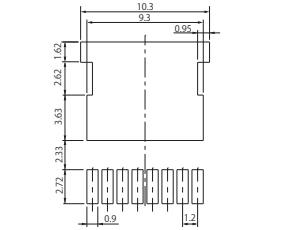
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	25.65 mm	24 mm

L-TOGL™ (9.9 x 11.81)

Package dimension unit : mm



Land pattern example unit : mm



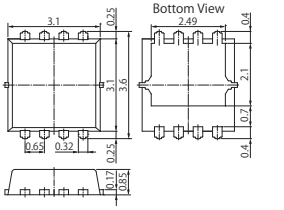
Pin count	Weight	MOQ
9	803 mg	

Reel dimension		Tape width
Diameter	Width	

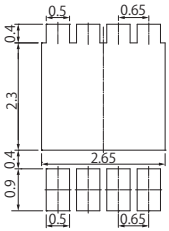
Surface Mount Type (Wettable Flank Lead Terminal)

TSON Advance(WF) (3.1 x 3.6)

Package dimension unit : mm



Land pattern example unit : mm

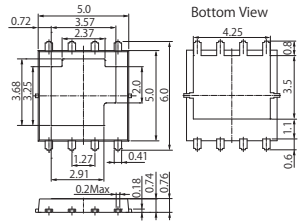


Pin count	Weight	MOQ
8	20 mg	5,000 p/reel

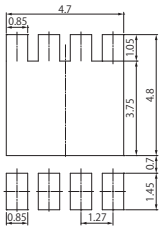
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.4 mm	12 mm

DSOP Advance(WF)L (5.0 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm

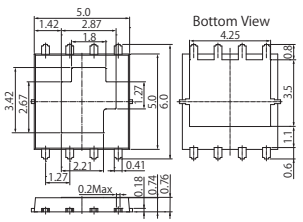


Pin count	Weight	MOQ
8	98 mg	5,000 p/reel

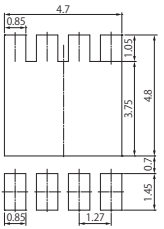
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

DSOP Advance(WF)M (5.0 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm

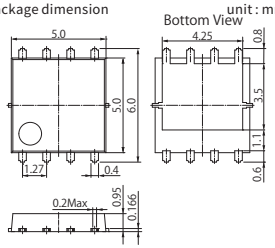


Pin count	Weight	MOQ
8	98 mg	5,000 p/reel

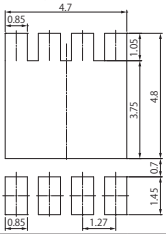
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

SOP Advance(WF) (5.0 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm



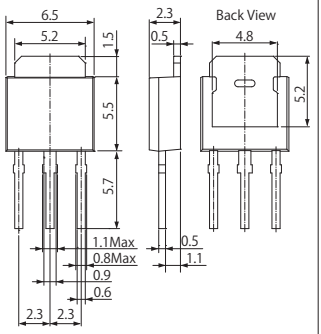
Pin count	Weight	MOQ
8	69 mg	5,000 p/reel

Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

Through Hole Type

New PW-Mold2 (6.5 x 5.5)

Package dimension unit : mm

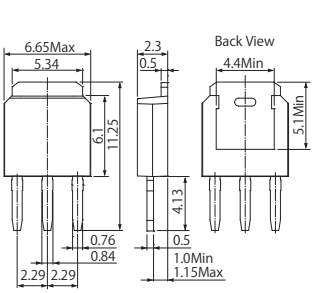


Pin count	Weight	Q'ty
3	360 mg	200 p/bag

Carton dimension	Bag Q'ty / Carton
178 x 80 x 90 mm	15 bag

IPAK (6.65 x 6.1)

Package dimension unit : mm

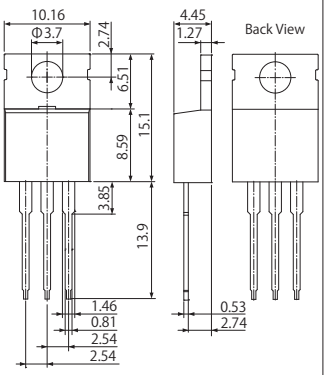


Pin count	Weight	Q'ty
3	337 mg	75 p/tube

Tube dimension	Tube Q'ty / Carton
20 x 4.4 x 508 mm	90 tube

TO-220 (10.16 x 15.1)

Package dimension unit : mm

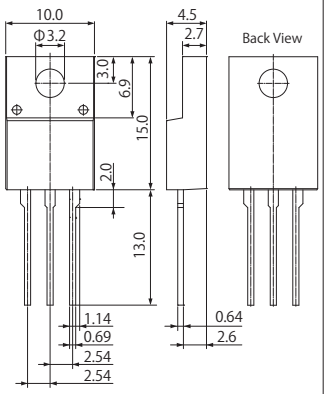


Pin count	Weight	Q'ty
3	1930 mg	50 p/tube

Tube dimension	Tube Q'ty / Carton
33 x 7.0 x 534.5 mm	20 tube

TO-220SIS (SC-67) (10.0 x 15.0)

Package dimension unit : mm

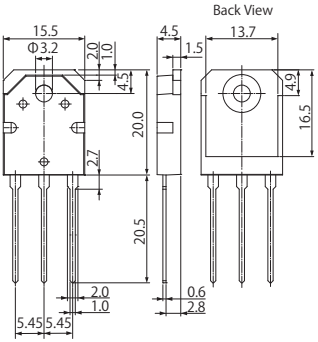


Pin count	Weight	Q'ty
3	1700 mg	50 p/tube

Tube dimension	Tube Q'ty / Carton
32.4 x 7.11 x 528.5 mm	30 tube

TO-3P(N) (SC-65) (15.5 x 20.0)

Package dimension unit : mm

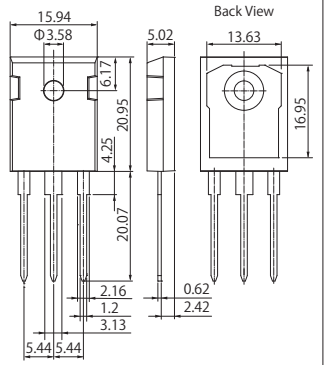


Pin count	Weight	Q'ty
3	4600 mg	25 p/tube

Tube dimension	Tube Q'ty / Carton
45 x 7.6 x 433 mm	40 tube

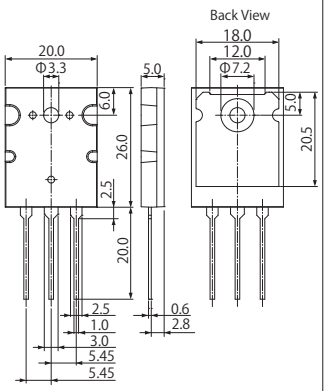
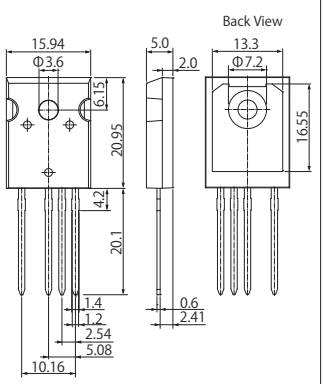
TO-247 (15.94 x 20.95)

Package dimension unit : mm



Pin count	Weight	Q'ty
3	6150 mg	30 p/tube

Tube dimension	Tube Q'ty / Carton
46 x 7.7 x 533.5 mm	8 tube

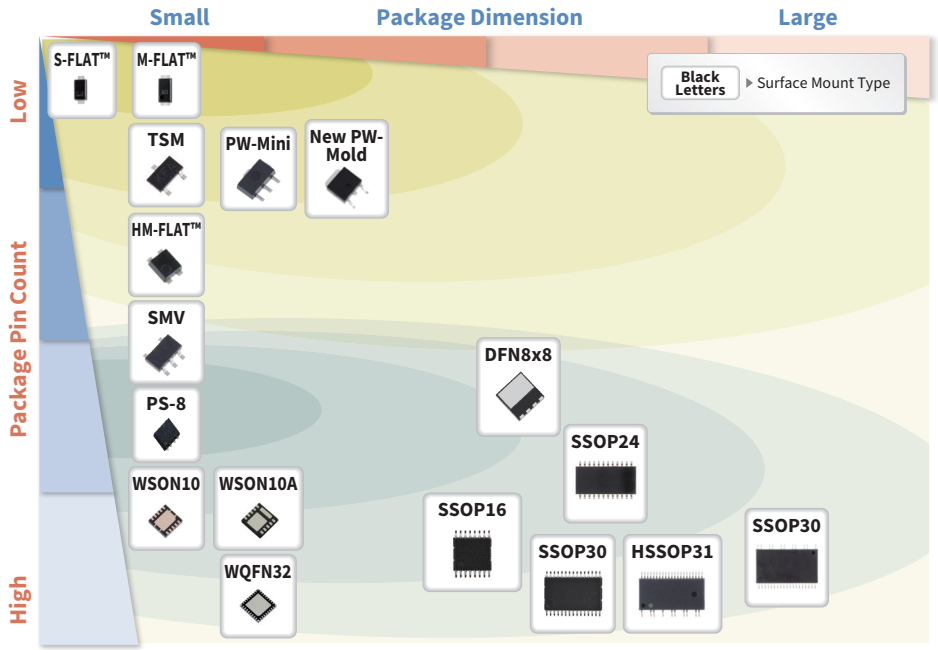
TO-3P(L) (20.0 x 26.0)	TO-247-4L (15.94 x 20.95)
Package dimension unit : mm 	Package dimension unit : mm 

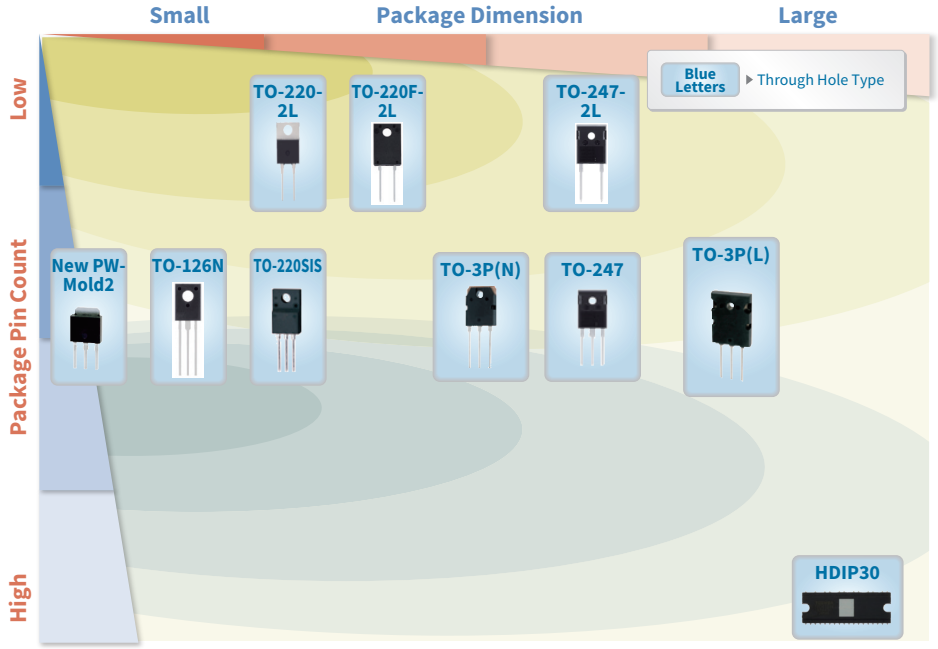
Pin count	Weight	Q'ty
3	9750 mg	100 p/tray
Tray dimension		Tray Q'ty / Carton
184 x 24 x 290 mm		5 tray

Pin count	Weight	Q'ty
4	6360 mg	30 p/tube
Tube dimension		Tube Q'ty / Carton
45.5 x 7.6 x 533 mm		15 tube

4. Power Discrete Devices

Package Lineups





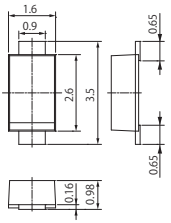
Package		Pin Count	Dimension W x L (mm)	Products					Page
				Three-Phase Brushless DC Motor Driver ICs (with Built-in Power Device)	Automotive IPDs (Intelligent Power Devices)	Diodes	IGBTs	Bipolar Transistors	
Surface Mount Type	S-FLAT™	2	1.6 x 3.5			✓			38
	M-FLAT™	2	2.4 x 4.7			✓			38
	TSM	3	2.9 x 2.8					✓	38
	PW-Mini	3	4.6 x 4.2					✓	38
	New PW-Mold	3	6.5 x 9.5					✓	38
	HM-FLAT	4	2.4 x 3.35			✓			38
	SMV	5	2.9 x 2.8					✓	39
	DFN8x8	5	8.0 x 8.0			✓			39
	PS-8	8	2.9 x 2.8		✓			✓	39
	WSON10	10	3.0 x 3.0		✓				39
	WSON10A	10	3.0 x 3.0		✓				39
	SSOP16	16	5.0 x 6.4		✓				39
	SSOP24	24	13.0 x 8.0		✓				40
	SSOP30	30	9.7 x 7.6		✓				40
	SSOP30	30	20.0 x 14.2	✓					40
	HSSOP31	31	17.5 x 11.93	✓					40
	WQFN32	32	5.0 x 5.0		✓				40
Through Hole Type	TO-220-2L	2	10.05 x 15.3			✓			41
	TO-220F-2L	2	10.0 x 15.0			✓			41
	TO-247-2L	2	15.94 x 20.95			✓			41
	New PW-Mold2	3	6.5 x 5.5					✓	41
	TO-126N	3	8.0 x 11.0					✓	41
	TO-220SIS	3	10.0 x 15.0				✓	✓	41
	TO-3P(N)	3	15.5 x 20.0				✓	✓	42
	TO-247	3	15.94 x 20.95			✓	✓		42
	TO-3P(L)	3	20.0 x 26.0					✓	42
	HDIP30	30	32.8 x 13.5	✓					42

Dimensional Outline

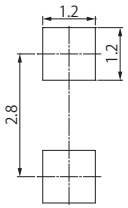
Surface Mount Type

S-FLAT™ (1.6 x 3.5)

Package dimension unit : mm



Land pattern example unit : mm

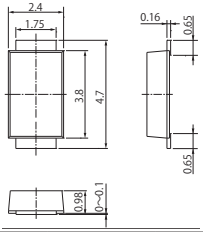


Pin count	Weight	MOQ
2	13 mg	3,000 p/reel

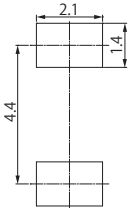
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

M-FLAT™ (2.4 x 4.7)

Package dimension unit : mm



Land pattern example unit : mm

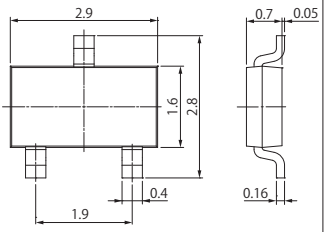


Pin count	Weight	MOQ
2	23 mg	3,000 p/reel

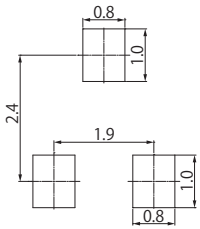
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	13 mm	12 mm

TSM (2.9 x 2.8)

Package dimension unit : mm



Land pattern example unit : mm

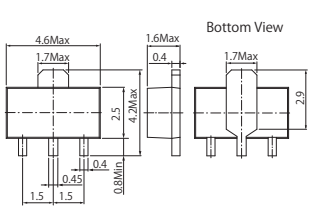


Pin count	Weight	MOQ
3	10 mg	3,000 p/reel

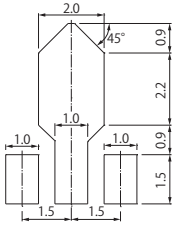
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

PW-Mini (4.6 x 4.2)

Package dimension unit : mm



Land pattern example unit : mm

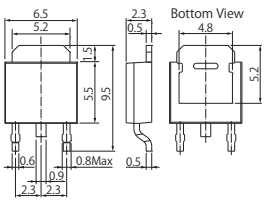


Pin count	Weight	MOQ
3	50 mg	1,000 p/reel

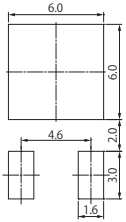
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	13 mm	12 mm

New PW-Mold (6.5 x 9.5)

Package dimension unit : mm



Land pattern example unit : mm

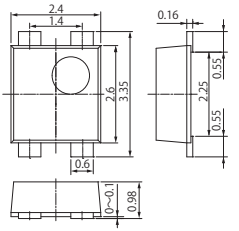


Pin count	Weight	MOQ
3	360 mg	2,000 p/reel

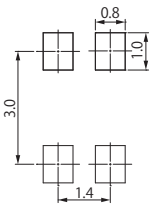
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

HM-FLAT™ (2.4 x 3.35)

Package dimension unit : mm



Land pattern example unit : mm

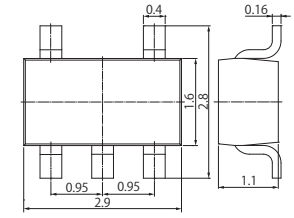


Pin count	Weight	MOQ
4	16 mg	3,000 p/reel

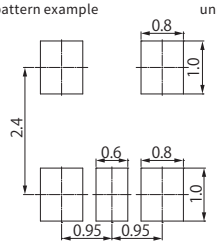
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

SMV (2.9 x 2.8)

Package dimension unit : mm



Land pattern example unit : mm

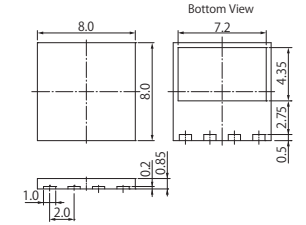


Pin count	Weight	MOQ
5	14 mg	3,000 p/reel

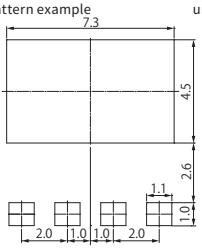
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

DFN8x8 (8.0 x 8.0)

Package dimension unit : mm



Land pattern example unit : mm

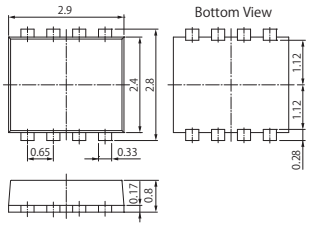


Pin count	Weight	MOQ
5	175 mg	2,500 p/reel

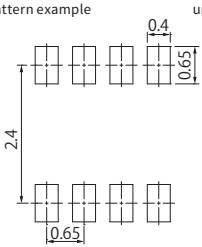
Reel dimension		Tape width
Diameter	Width	
332 mmΦ	17.2 mm	16.2 mm

PS-8 (2.9 x 2.8)

Package dimension unit : mm



Land pattern example unit : mm

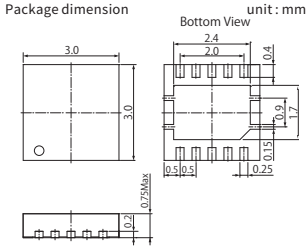


Pin count	Weight	MOQ
8	17 mg	3,000 p/reel

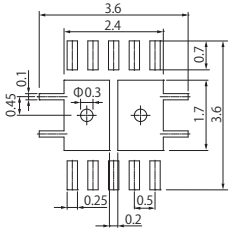
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

WSON10 (3.0 x 3.0)

Package dimension unit : mm



Land pattern example unit : mm

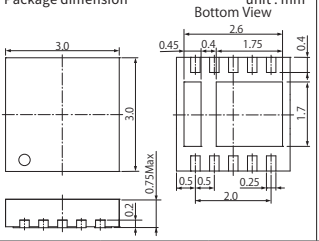


Pin count	Weight	MOQ
10	20 mg	15,000 p/reel

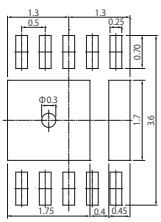
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	9 mm	8 mm

WSON10A (3.0 x 3.0)

Package dimension unit : mm



Land pattern example unit : mm

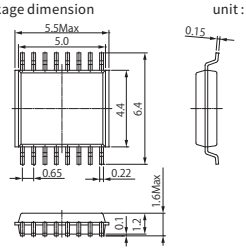


Pin count	Weight	MOQ
10	20 mg	1,500 p/reel

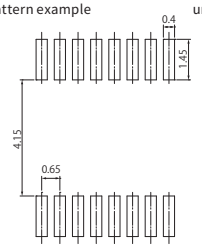
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	9 mm	8 mm

SSOP16 (5.0 x 6.4)

Package dimension unit : mm



Land pattern example unit : mm



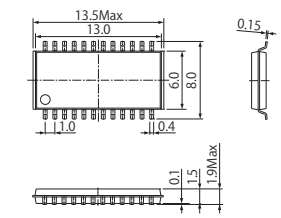
Pin count	Weight	MOQ
16	74 mg	2,000 p/reel

Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.4 mm	16 mm

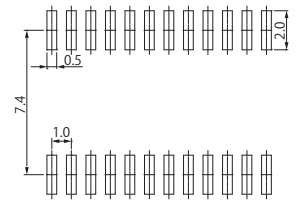
Surface Mount Type

SSOP24 (13.0 x 8.0)

Package dimension unit : mm



Land pattern example unit : mm

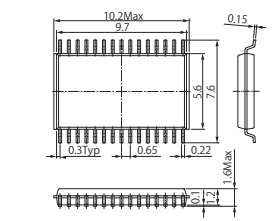


Pin count	Weight	MOQ
24	290 mg	2,000 p/reel

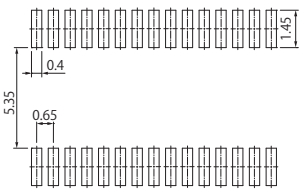
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	25.5 mm	24 mm

SSOP30 (9.7 x 7.6)

Package dimension unit : mm



Land pattern example unit : mm

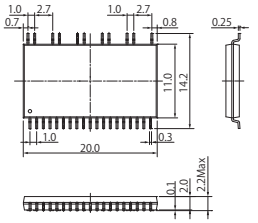


Pin count	Weight	MOQ
30	176 mg	

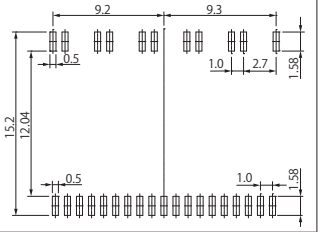
Reel dimension		Tape width
Diameter	Width	

SSOP30 (20.0 x 14.2)

Package dimension unit : mm



Land pattern example unit : mm

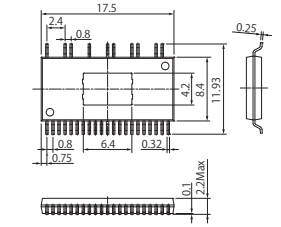


Pin count	Weight	MOQ
30	1,200 mg	1,000 p/reel

Reel dimension		Tape width
Diameter	Width	
330 mmΦ	33.4 mm	32 mm

HSSOP31 (17.5 x 11.93)

Package dimension unit : mm



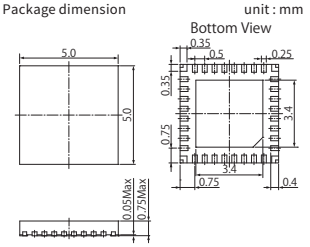
Land pattern example unit : mm

Pin count	Weight	MOQ
31	700 mg	1,000 p/reel

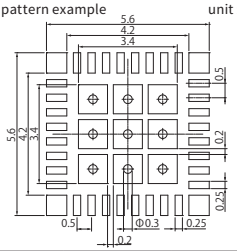
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	25.4 mm	24 mm

WQFN32 (5.0 x 5.0)

Package dimension unit : mm



Land pattern example unit : mm



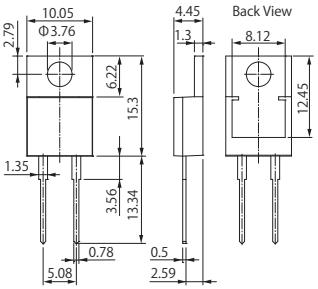
Pin count	Weight	MOQ
32	60 mg	

Reel dimension		Tape width
Diameter	Width	

Through Hole Type

TO-220-2L (10.05 x 15.3)

Package dimension unit : mm

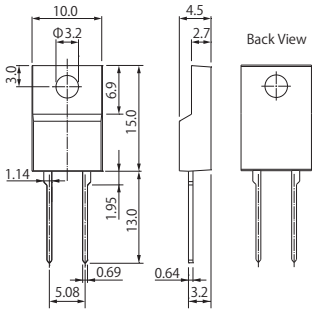


Pin count	Weight	Q'ty
2	1,900 mg	50 p/tube

Tube dimension	Tube Q'ty / Carton
32.8/33.0 x 7.0 x 533/534.5 mm	20 tube

TO-220F-2L (10.0 x 15.0)

Package dimension unit : mm

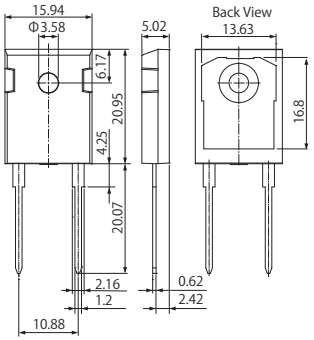


Pin count	Weight	Q'ty
2	1,830 mg	50 p/tube

Tube dimension	Tube Q'ty / Carton
33.0 x 7.0 x 532.5 mm	20 tube

TO-247-2L (15.94 x 20.95)

Package dimension unit : mm

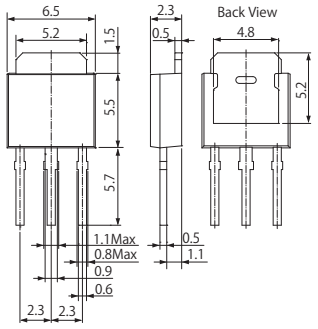


Pin count	Weight	Q'ty
2		

Carton Dimension	Bag Q'ty / Carton

New PW-Mold2 (6.5 x 5.5)

Package dimension unit : mm

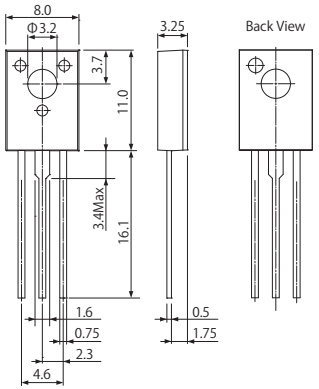


Pin count	Weight	Q'ty
3	360 mg	200 p/bag

Carton Dimension	Bag Q'ty / Carton
178 x 80 x 90 mm	15 bag

TO-126N (8.0 x 11.0)

Package dimension unit : mm

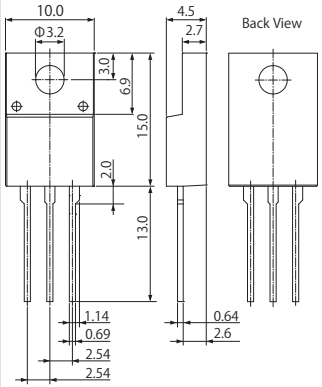


Pin count	Weight	Q'ty
3	840 mg	250 p/bag

Carton dimension	Tube Q'ty / Carton
245 x 175 x 100 mm	8 bag

TO-220SIS (SC-67) (10.0 x 15.0)

Package dimension unit : mm

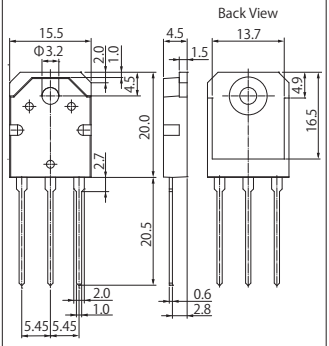


Pin count	Weight	Q'ty
3	1,700 mg	50 p/tube

Tube dimension	Tube Q'ty / Carton
32.4 x 7.11 x 528.5 mm	30 tube

TO-3P(N) (SC-65) (15.5 x 20.0)

Package dimension unit : mm

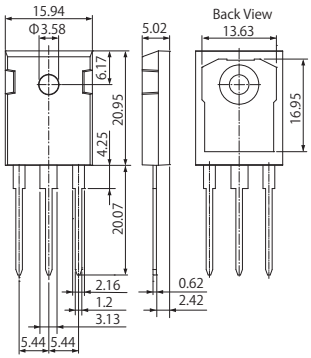


Pin count	Weight	Q'ty
3	4,600 mg	25 p/tube

Tube dimension	Tube Q'ty / Carton
45 x 7.6 x 433 mm	40 tube

TO-247 (15.94 x 20.95)

Package dimension unit : mm

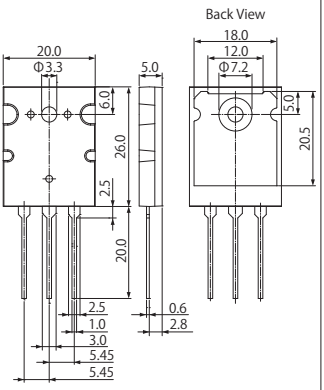


Pin count	Weight	Q'ty
3	6,150 mg	30 p/tube

Tube dimension	Tube Q'ty / Carton
46 x 7.7 x 533.5 mm	8 tube

TO-3P(L) (20.0 x 26.0)

Package dimension unit : mm

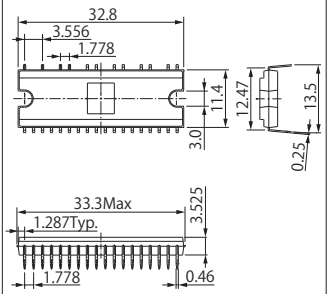


Pin count	Weight	Q'ty
3	9,750 mg	100 p/tray

Tray dimension	Tray Q'ty / Carton
184 x 24 x 290 mm	5 tray

HDIP30 (32.8 x 13.5)

Package dimension unit : mm

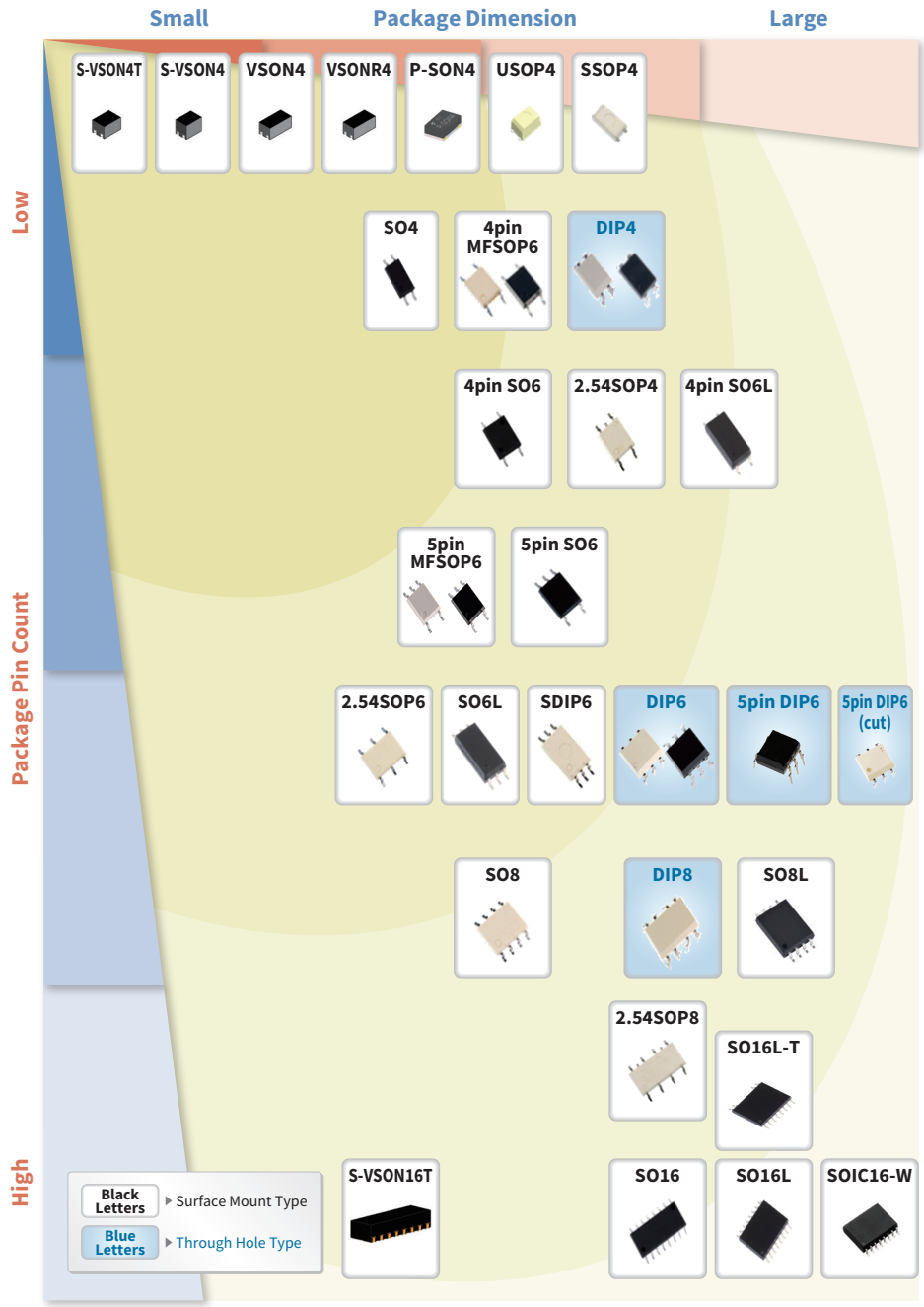


Pin count	Weight	Q'ty
30		

Tube dimension	Tube Q'ty / Carton

5. Isolators and Solid State Relays

Package Lineups



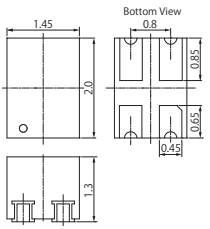
Package		Pin Count	Dimension W x L (mm)	Products							Page
				Isolators			Solid State Relays				
				Photocouplers		Digital Isolators	Photorelays	Photovoltaic Output	Triac Output	Thyristor Output	
				IC Output	Transistor Output						
Surface Mount Type	S-VSON4T	4	1.45 x 2.0				✓				46
	S-VSON4	4	1.45 x 2.0				✓				46
	VSON4	4	1.45 x 2.45				✓				46
	VSONR4	4	1.45 x 2.75				✓				46
	P-SON4	4	3.4 x 2.1				✓				46
	USOP4	4	2.2 x 3.25				✓				46
	SSOP4	4	2.04 x 4.2				✓	✓			47
	SO4	4	2.6 x 7.0		✓						47
	4pin MFSOP6	4	3.6 x 7.0					✓	✓		47
	4pin SO6	4	3.7 x 7.0	✓	✓		✓	✓	✓		47
	2.54 SOP4	4	3.9 x 7.0				✓				47
	4pin SO6L	4	3.84 x 10.0	✓	✓						47
	5pin MFSOP6	5	3.6 x 7.0	✓					✓	✓	48
	5pin SO6	5	3.7 x 7.0	✓							48
	2.54 SOP6	6	6.3 x 7.0				✓				48
	SO6L	6	3.84 x 10	✓							48
	SDIP6	6	4.58 x 9.7	✓							48
	SO8	8	5.1 x 6.0	✓							48
	SO8L	8	5.85 x 10.0	✓							49
	2.54 SOP8	8	9.4 x 7.0				✓				49
	SO16L-T	12	10.3 x 10.0				✓				49
	S-VSON16T	16	6.25 x 2.0				✓				49
	SO16	16	10.3 x 7.0		✓						49
	SO16L	16	10.3 x 10.0	✓							49
	SOIC16-W	16	10.3 x 10.0			✓					50
Through Hole Type	DIP4	4	4.58 x 7.62		✓		✓		✓		51
	DIP4(TLP785)	4	4.6 x 7.62		✓						51
	5pin DIP6	5	7.12 x 7.62						✓		51
	5pin DIP6(cut)	5	7.12 x 7.62				✓	✓	✓		51
	DIP6	6	7.12 x 7.62		✓		✓	✓	✓	✓	51
	DIP8	8	9.66 x 7.62	✓	✓		✓		✓	✓	51

Dimensional Outline

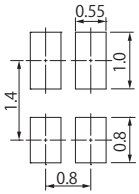
Surface Mount Type

S-VSON4T (1.45 x 2.0)

Package dimension unit : mm



Land pattern example unit : mm

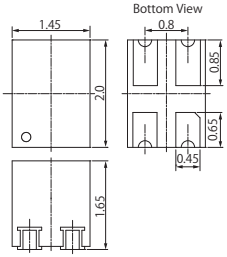


Pin count	Weight	MOQ
4	10 mg	2,500 p/reel

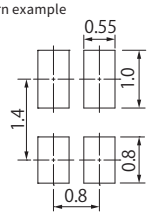
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

S-VSON4 (1.45 x 2.0)

Package dimension unit : mm



Land pattern example unit : mm

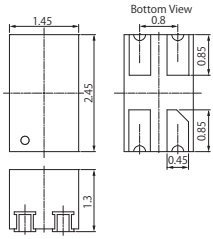


Pin count	Weight	MOQ
4	10 mg	2,500 p/reel

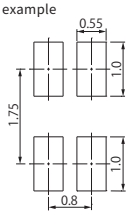
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

VSON4 (1.45 x 2.45)

Package dimension unit : mm



Land pattern example unit : mm

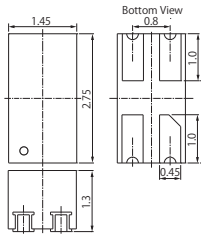


Pin count	Weight	MOQ
4	10 mg	3,000 p/reel

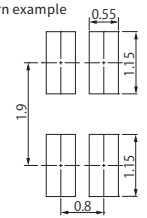
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

VSONR4 (1.45 x 2.75)

Package dimension unit : mm



Land pattern example unit : mm

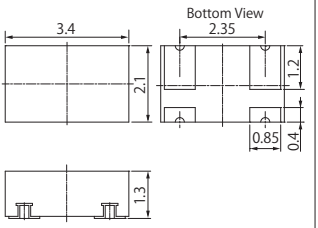


Pin count	Weight	MOQ
4	10 mg	3,000 p/reel

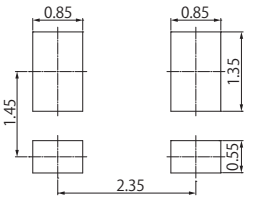
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

P-SON4 (3.4 x 2.1)

Package dimension unit : mm



Land pattern example unit : mm

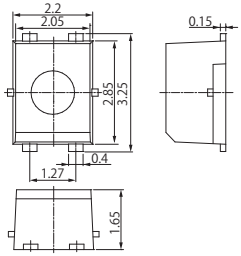


Pin count	Weight	MOQ
4	20 mg	1,500 p/reel

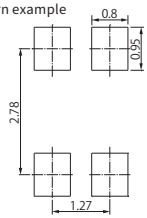
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	9 mm	8 mm

USOP4 (2.2 x 3.25)

Package dimension unit : mm



Land pattern example unit : mm

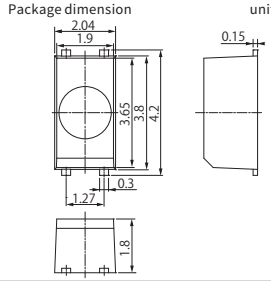


Pin count	Weight	MOQ
4	30 mg	1,500 p/reel

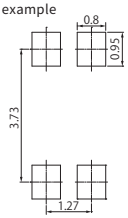
Reel dimension		Tape width
Diameter	Width	
180 mmΦ	13 mm	12 mm

SSOP4 (2.04 x 4.2)

Package dimension unit : mm



Land pattern example unit : mm

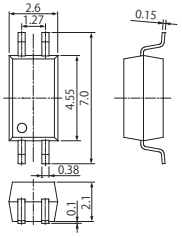


Pin count	Weight	MOQ
4	30 mg	1,500 p/reel

Reel dimension		Tape width
Diameter	Width	
180 mmΦ	13 mm	12 mm

SO4 (2.6 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

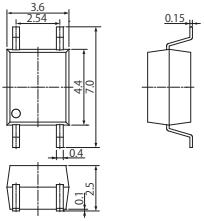


Pin count	Weight	MOQ
4	50 mg	2,500 p/reel

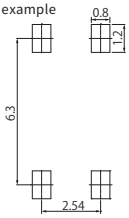
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

4pin MFSOP6 (3.6 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

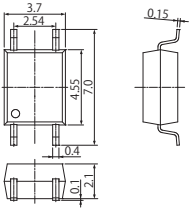


Pin count	Weight	MOQ
4	90 mg	3,000 p/reel

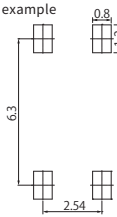
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

4pin SO6 (3.7 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

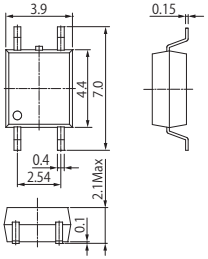


Pin count	Weight	MOQ
4	80 mg	3,000 p/reel

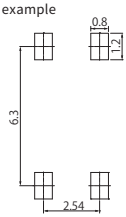
Reel dimension		Tape width
Diameter	Width	
380 mmΦ	13.5 mm	12 mm

2.54SOP4 (3.9 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

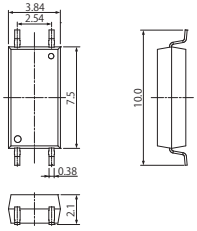


Pin count	Weight	MOQ
4	100 mg	2,500 p/reel

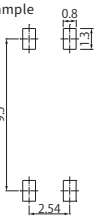
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

4pin SO6L (3.84 x 10.0)

Package dimension unit : mm



Land pattern example unit : mm

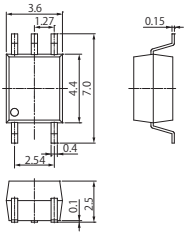


Pin count	Weight	MOQ
4	128 mg	3,000 p/reel

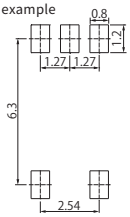
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.4 mm	16 mm

5pin MFSOP6 (3.6 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

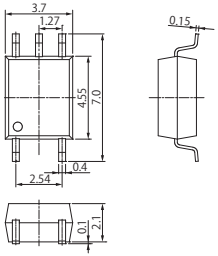


Pin count	Weight	MOQ
5	90 mg	3,000 p/reel

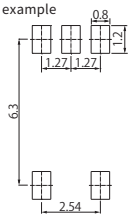
Reel dimension		Tape width
Diameter	Width	
380 mmΦ	13.5 mm	12 mm

5pin SO6 (3.7 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

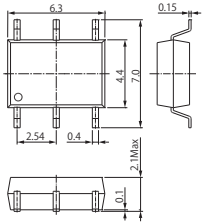


Pin count	Weight	MOQ
5	80 mg	3,000 p/reel

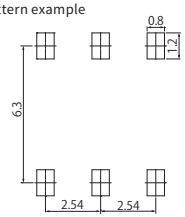
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	13.5 mm	12 mm

2.54SOP6 (6.3 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

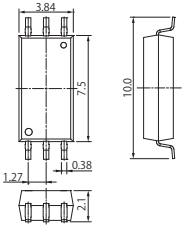


Pin count	Weight	MOQ
6	130 mg	2,500 p/reel

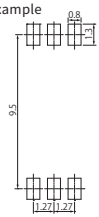
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

SO6L (3.84 x 10.0)

Package dimension unit : mm



Land pattern example unit : mm

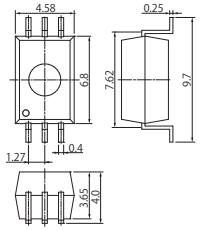


Pin count	Weight	MOQ
6	126 mg	1,500 p/reel

Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.4 mm	16 mm

SDIP6 (4.58 x 9.7)

Package dimension unit : mm



Land pattern example unit : mm

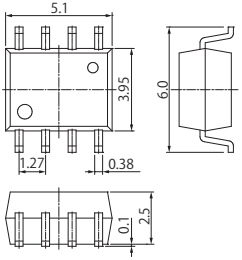


Pin count	Weight	MOQ
6	260 mg	1,500 p/reel

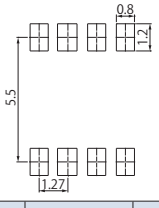
Reel dimension		Tape width
Diameter	Width	
380 mmΦ	17.5 mm	16 mm

SO8 (5.1 x 6.0)

Package dimension unit : mm



Land pattern example unit : mm

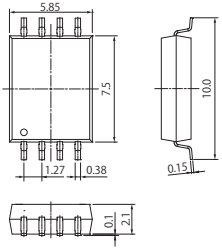


Pin count	Weight	MOQ
8	110 mg	2,500 p/reel

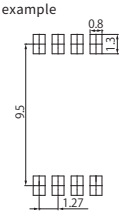
Reel dimension		Tape width
Diameter	Width	
380 mmΦ	13.5 mm	12 mm

SO8L (5.85 x 10.0)

Package dimension unit : mm



Land pattern example unit : mm

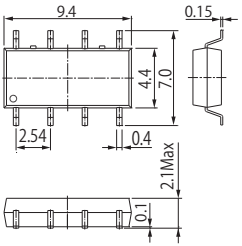


Pin count	Weight	MOQ
8	203 mg	1,500 p/reel

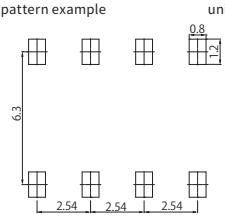
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.4 mm	16 mm

2.54SOP8 (9.4 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

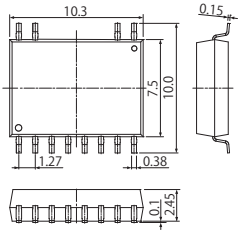


Pin count	Weight	MOQ
8	200 mg	2,500 p/reel

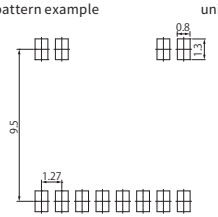
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

SO16L-T (10.3 x 10.0)

Package dimension unit : mm



Land pattern example unit : mm

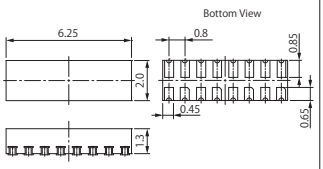


Pin count	Weight	MOQ
12	420 mg	1,500 p/reel

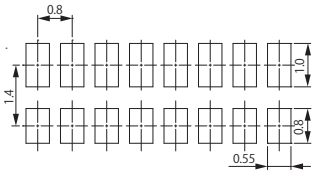
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.4 mm	16 mm

S-VSON16T (6.25 x 2.0)

Package dimension unit : mm



Land pattern example unit : mm

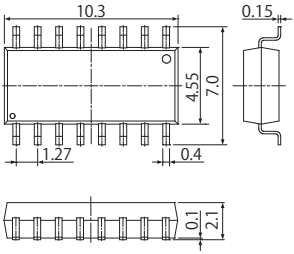


Pin count	Weight	MOQ
16	40 mg	

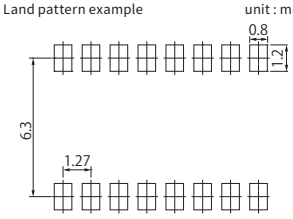
Reel dimension		Tape width
Diameter	Width	

SO16 (10.3 x 7.0)

Package dimension unit : mm



Land pattern example unit : mm

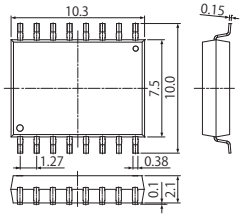


Pin count	Weight	MOQ
16	190 mg	2,000 p/reel

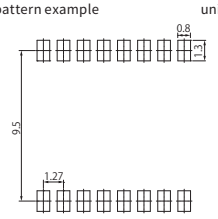
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.5 mm	16 mm

SO16L (10.3 x 10.0)

Package dimension unit : mm



Land pattern example unit : mm

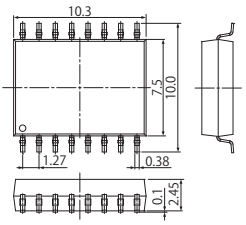


Pin count	Weight	MOQ
16	370 mg	1,500 p/reel

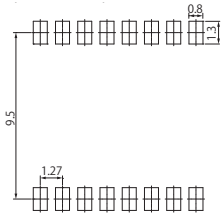
Reel dimension		Tape width
Diameter	Width	
330 mmΦ	17.4 mm	16 mm

SOIC16-W (10.3 x 10.0)

Package dimension unit : mm



Package dimension unit : mm



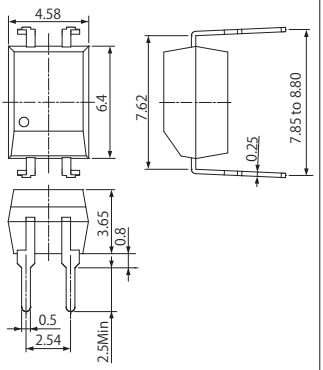
Pin count	Weight	Q'ty
16	426 mg	

Tube dimension	Tube Q'ty / Carton

Through Hole Type

DIP4 (4.58 x 7.62)

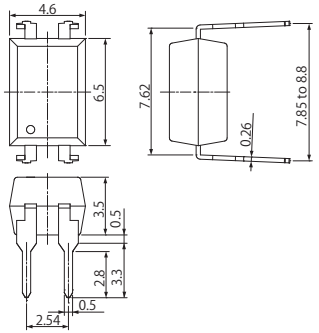
Package dimension unit : mm



Pin count	Weight	Q'ty
4	260 mg	100 p/tube
Tube dimension		Tube Q'ty / Carton
11.3 x 10.3 x 525 mm		4 tube

DIP4(TLP785) (4.6 x 7.62)

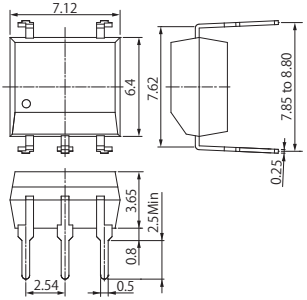
Package dimension unit : mm



Pin count	Weight	Q'ty
4	250 mg	100 p/tube
Tube dimension		Tube Q'ty / Carton
11.3 x 10.3 x 525 mm		4 tube

5pin DIP6 (7.12 x 7.62)

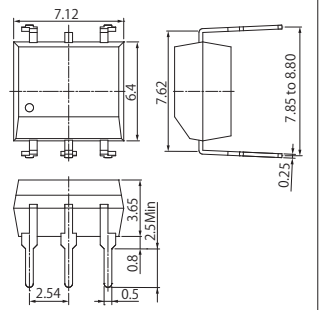
Package dimension unit : mm



Pin count	Weight	Q'ty
5	400 mg	50 p/tube
Tube dimension		Tube Q'ty / Carton
11.3 x 10.3 x 525 mm		20 tube

5pin DIP6 (cut) (7.12 x 7.62)

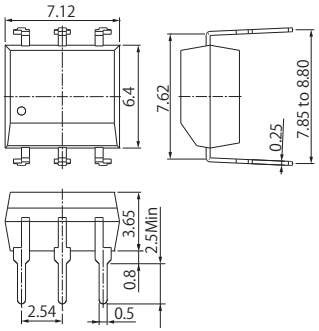
Package dimension unit : mm



Pin count	Weight	Q'ty
5	390 mg	50 p/tube
Tube dimension		Tube Q'ty / Carton
11.3 x 10.3 x 525 mm		20 tube

DIP6 (7.12 x 7.62)

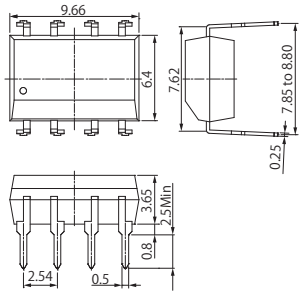
Package dimension unit : mm



Pin count	Weight	Q'ty
6	400 mg	50 p/tube
Tube dimension		Tube Q'ty / Carton
11.3 x 10.3 x 525 mm		20 tube

DIP8 (9.66 x 7.62)

Package dimension unit : mm

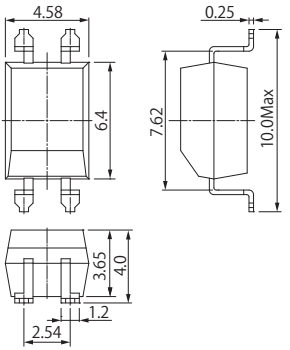


Pin count	Weight	Q'ty
8	540 mg	50 p/tube
Tube dimension		Tube Q'ty / Carton
11.3 x 10.3 x 525 mm		60 tube

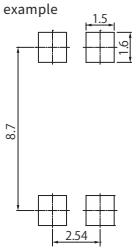
Lead Form Options

DIP4(LF1) / (TP1) (4.58 x 10.0)

Package dimension unit : mm

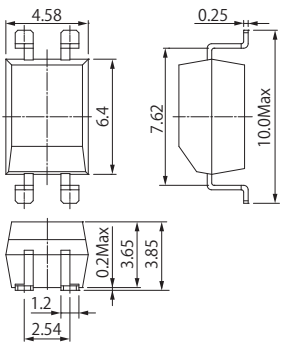


Land pattern example unit : mm

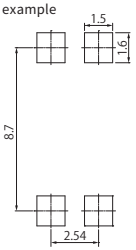


DIP4(LF5) / (TP5) (4.58 x 10.0)

Package dimension unit : mm

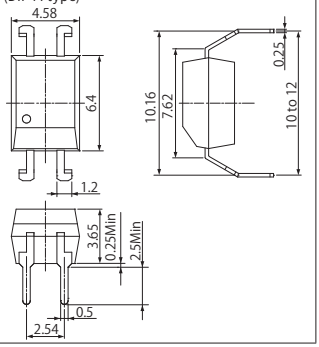


Land pattern example unit : mm



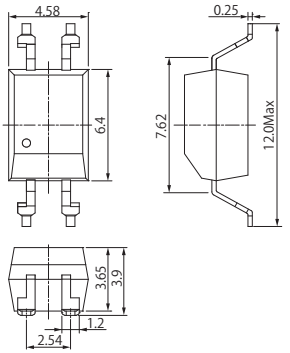
DIP4(LF2) (4.58 x 10.16)

Package dimension (DIP4 Ftype) unit : mm

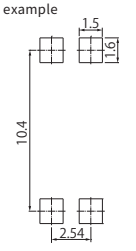


DIP4(LF4) / (TP4) (4.58 x 12.0)

Package dimension unit : mm

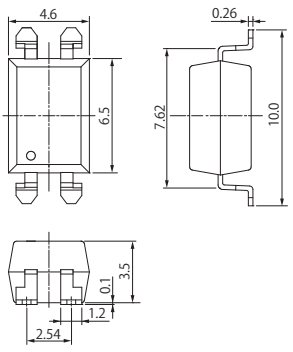


Land pattern example unit : mm

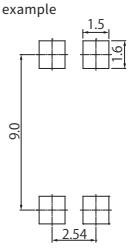


DIP4 TLP785(LF6) / (TP6) (4.6 x 10.0)

Package dimension unit : mm

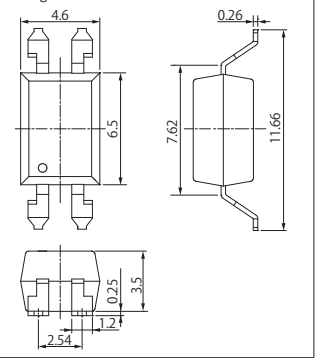


Land pattern example unit : mm

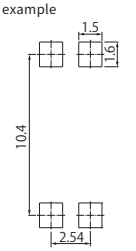


DIP4 TLP785F(LF7) / (TP7) (4.6 x 11.66)

Package dimension unit : mm

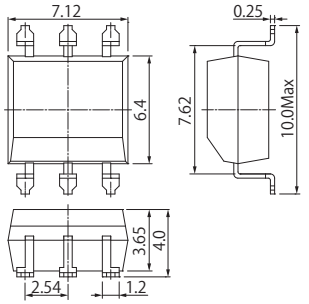


Land pattern example unit : mm

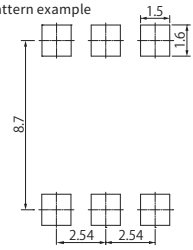


DIP6(LF1) / (TP1) (7.12 x 10.0)

Package dimension unit : mm

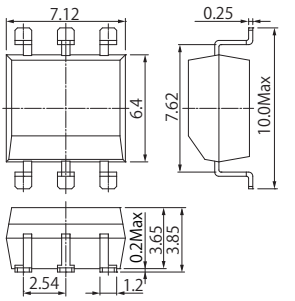


Land pattern example unit : mm

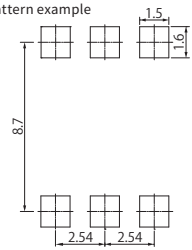


DIP6(LF5) / (TP5) (7.12 x 10.0)

Package dimension unit : mm

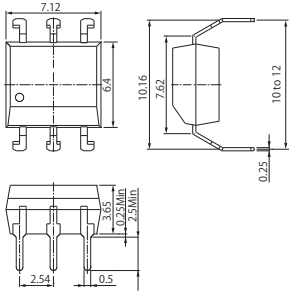


Land pattern example unit : mm



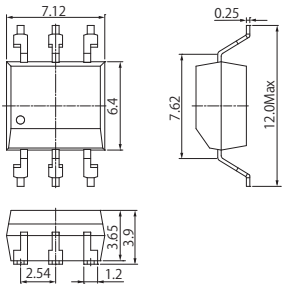
DIP6(LF2) (7.12 x 10.16)

Package dimension (DIP6 Ftype) unit : mm

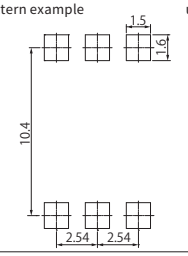


DIP6(LF4) / (TP4) (7.12 x 12.0)

Package dimension unit : mm

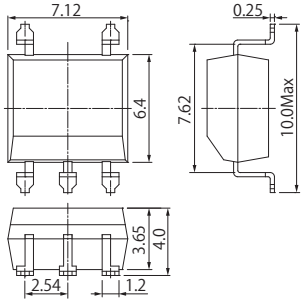


Land pattern example unit : mm

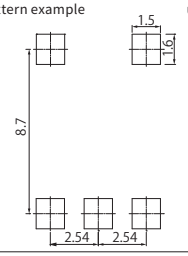


5pin DIP6 (LF1) / (TP1) (7.12 x 10.0)

Package dimension unit : mm

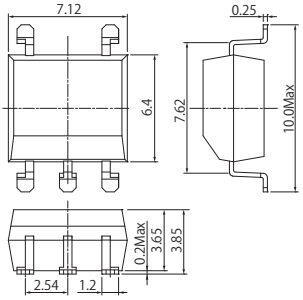


Land pattern example unit : mm

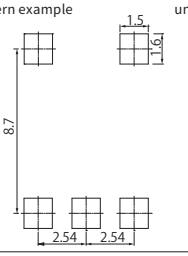


5pin DIP6 (LF5) / (TP5) (7.12 x 10.0)

Package dimension unit : mm

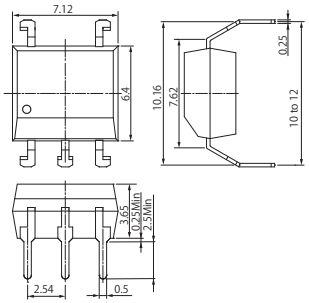


Land pattern example unit : mm



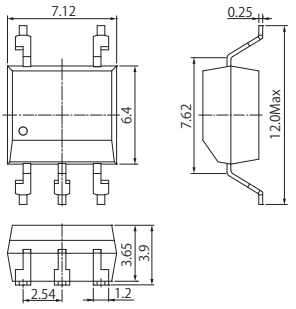
5pin DIP6 (LF2) (7.12 x 10.16)

Package dimension (5pin DIP6 Ftype) unit : mm

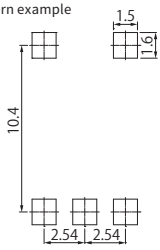


5pin DIP6 (LF4) / (TP4) (7.12 x 12.0)

Package dimension unit : mm

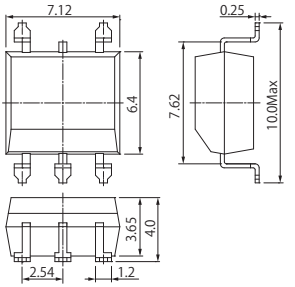


Land pattern example unit : mm

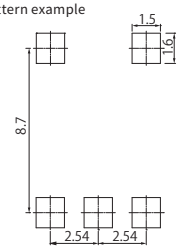


5pin DIP6 (cut) (LF1) / (TP1) (7.12 x 10.0)

Package dimension unit : mm

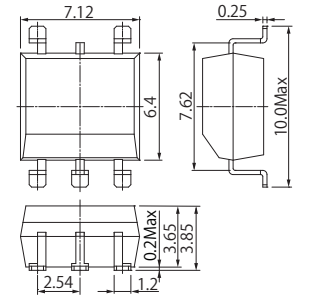


Land pattern example unit : mm

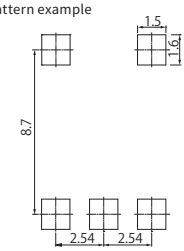


5pin DIP6 (cut) (LF5) / (TP5) (7.12 x 10.0)

Package dimension unit : mm

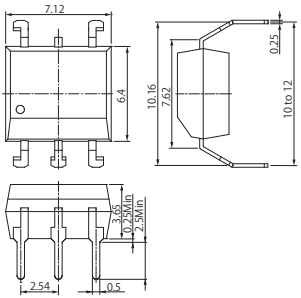


Land pattern example unit : mm



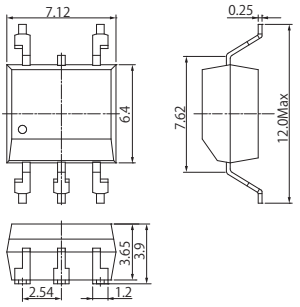
5pin DIP6 (cut) (LF2) (7.12 x 10.16)

Package dimension (5pin DIP6 (cut) Ftype) unit : mm

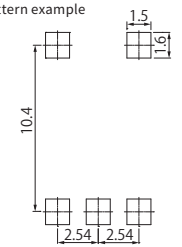


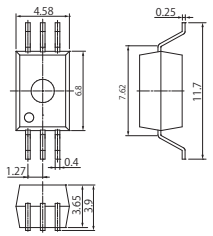
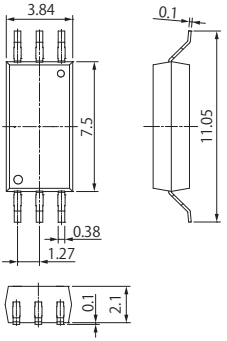
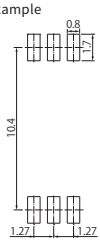
5pin DIP6 (cut) (LF4) / (TP4) (7.12 x 12.0)

Package dimension unit : mm



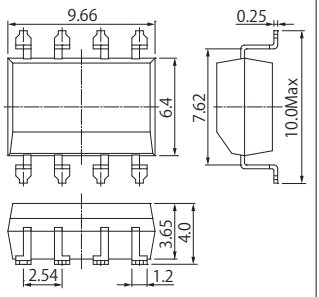
Land pattern example unit : mm



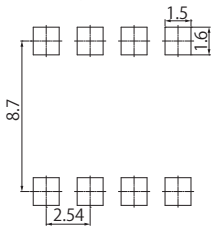
SDIP6 (4.58 x 11.7)	SO6L(LF4) (3.84 x 11.05)
Package dimension (SDIP6 Ftype) unit : mm 	Package dimension unit : mm 
Land pattern example unit : mm 	Land pattern example unit : mm 

DIP8(LF1) / (TP1) (9.66 x 10.0)

Package dimension unit : mm

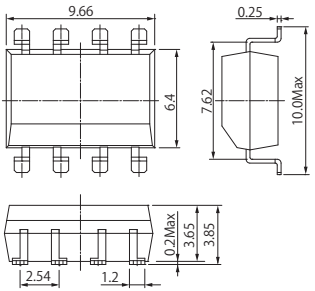


Land pattern example unit : mm

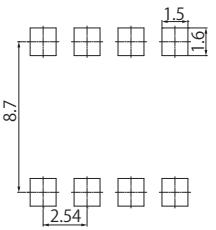


DIP8(LF5) / (TP5) (9.66 x 10.0)

Package dimension unit : mm

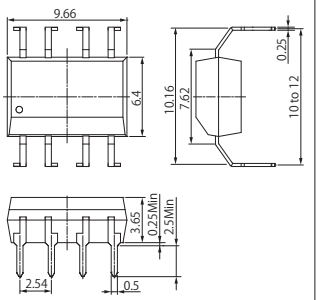


Land pattern example unit : mm



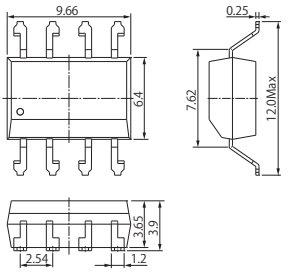
DIP8(LF2) (9.66 x 10.16)

Package dimension unit : mm
(DIP8 Ftype)

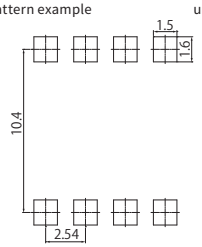


DIP8(LF4) / (TP4) (9.66 x 12.0)

Package dimension unit : mm

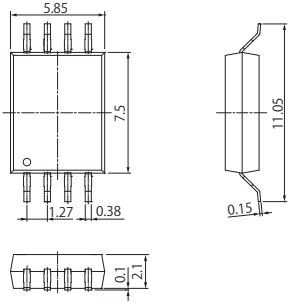


Land pattern example unit : mm

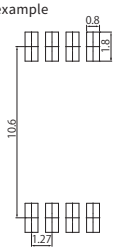


SO8L(LF4) (5.85 x 11.05)

Package dimension unit : mm



Land pattern example unit : mm



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