

Product Name: TB6641FG

Package Name: HSOP16

1. Thermal tests

Test Item	Test Condition	Failure Size / Sample Size
Resistance to Soldering Heat with Soldering Iron	400deg.C (temperature at soldering iron tip), 3s 2 times	0 / 32
Resistance to Soldering Heat for Packages	Reflow peak temperature and moisture soak conditions are specified per package type. 2 times	0 / 32
Temperature Cycling	-65deg.C (20min) to 25deg.C to 150deg.C (20min) to 25deg.C 300 cycles	0 / 32
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2. Mechanical tests

Test Item	Test Condition	Failure Size / Sample Size
Solderability	Solder temperature : 230deg.C for Solder type Sn-37Pb 245deg.C for Solder type Sn-3Ag-0.5Cu Solder immersion time : 5s ,Flux type : non-active flux ,1 time	0 / 22
Lead Integrity (Tension)	Tension : according to relevant specification Maintain the specified tension for 30s	0 / 22
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-	-	-
-	-	-

3. Life tests

Test Item	Test Condition	Failure Size / Sample Size
High Temperature Operating Life	Max operating temperature, Max operating voltage ,1000h	0 / 32
High Temperature Storage Life	Max storage temperature ,1000h	0 / 32
High Temperature High Humidity Bias	Ta=85deg.C, RH=85%, Max operating voltage ,1000h	0 / 32
Autoclave (Pressure Cooker)	Ta=127deg.C, RH=100%, 246kPa ,120h	0 / 32
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