

**End of Sales**

## Specialty (2.5-inch HDD)

MK4036GAC / MK4036GACE

	MK4036GAC	MK4036GACE
<b>Basic Specifications</b>		
Interface	ATA-2 / ATA-3 / ATA-4 / ATA-5 / ATA-6	
Interface Speed	100 MB/s	
Formatted Capacity	40 GB	
Logical Data Block Length ( HOST )	512 B	
Logical Data Block Length ( DISK )	512 B	
Environmental Compliance	RoHS Compatible	
<b>Performances</b>		
Buffer Size	8 MiB	
Rotation Speed	4,200 rpm	
Average Latency Time	7.14 ms	
<b>Reliability</b>		
Unrecoverable Error Rate	1 per 10 <sup>13</sup> bits read	
<b>Power Requirements</b>		
Supply Voltage	5 V ±5%	
Power Consumption ( Read / Write )	2.0 W Typ.	
Power Consumption ( Low Power Idle )	0.8 W Typ.	
<b>Dimensions</b>		
Height	9.5 mm	
Width	69.85 mm	
Depth	100.0 mm	
Weight	96 g Typ.	
<b>Environmental Requirements</b>		
Temperature ( Operating )	-30 to 85°C	-16 to 70°C
Temperature ( Non-operating )	-40 to 85°C	-40 to 80°C
Humidity ( Operating )	8 to 90 % R.H	
Humidity ( Non-operating )	8 to 95 % R.H	8 to 90 % R.H
Altitude ( Operating )	-300 to 4,300 m ( -30 to 55°C ) -300 to 3,000 m ( 55 to 85°C )	-300 to 4,300 m ( -16 to 55°C ) -300 to 3,000 m ( 55 to 70°C )
Altitude ( Non-operating )	-400 to 15,000 m	
Vibration ( Operating )	19.6 m/s <sup>2</sup> { 2.0 G } ( 5 to 200 Hz ) 9.8 m/s <sup>2</sup> { 1.0 G } ( 200 to 500 Hz )	
Vibration ( Non-operating )	49 m/s <sup>2</sup> { 5.0 G } ( 10 to 500 Hz )	
Shock ( Operating )	1,960 m/s <sup>2</sup> { 200 G } ( 2 ms half sine )	
Shock ( Non-operating )	7,840 m/s <sup>2</sup> { 800 G } ( 1 ms half sine )	
<b>Acoustics</b>		
Idle	22 dB	
Seek	26 dB	

▶ Definition of capacity: Toshiba defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2<sup>30</sup> = 1,073,741,824 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

▶ A kibibyte (KiB) means 2<sup>10</sup>, or 1,024 bytes, a mebibyte (MiB) means 2<sup>20</sup>, or 1,048,576 bytes, and a gibibyte (GiB) means 2<sup>30</sup>, or 1,073,741,824 bytes.

▶ Toshiba Semiconductor & Storage Products Company defines "RoHS-Compatible" products as products that either (i) contain no more than a maximum concentration value of 0.1% by weight in Homogeneous Materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) and of 0.01% by weight in Homogeneous Materials for cadmium; or (ii) fall within any of the application exemptions set forth in the Annex to the RoHS Directive. "Homogeneous Material" means a material of uniform composition that cannot be mechanically disjointed (meaning separated, in principle, by mechanical actions such as unscrewing, cutting, crushing, grinding and/or abrasive processes) into different materials. Examples of "Homogeneous Materials" would be individual types of plastics, ceramics, glass, metals, alloys, paper, board, resins and coatings.

▶ Read and write speed may vary depending on the host device, read and write conditions, and file size.

▶ "2.5-inch" and "3.5-inch" mean the form factor of HDDs or SSDs. They do not indicate drive's physical size.