

## Enterprise SSD

MK4001GRZB / MK2001GRZB / MK1001GRZB

	MK4001GRZB	MK2001GRZB	MK1001GRZB
<b>Basic Specifications</b>			
Interface	SAS-2.0, Dual port		
Interface Speed	6.0 Gbit/s , 3.0 Gbit/s , 1.5 Gbit/s		
Memory Type	SLC		
Formatted Capacity	400 GB	200 GB	100 GB
Sustained 64KiB Sequential Read	500 MiB/s		
Sustained 64KiB Sequential Write	250 MiB/s		
Sustained 4KiB Random Read	90,000 IOPS		
Sustained 4KiB Random Write	16,000 IOPS		
<b>Reliability</b>			
MTTF	2,000,000 hours		
Warranty	5 years		
TBW (Total Byte Written)	No limit within Product life		8,200 TB
<b>Power Requirements</b>			
Supply Voltage	5 V $\pm$ 5 % , 12 V $\pm$ 5 %		
Power Consumption ( Ready )	1.9 W Typ.		
<b>Dimensions</b>			
Height	15.0 mm +0 , -0.5 mm		
Width	69.85 $\pm$ 0.25 mm		
Depth	100.45 mm Max.		
Weight	160g Max.		
<b>Environmental Requirements</b>			
Temperature ( Operating )	0 to 55°C		
Relative Humidity ( Operating )	5 to 95 % R.H.		
Vibration ( Operating )	9.8 m/s <sup>2</sup> {1 Grms} (100 to 800 Hz)		
Shock ( Operating )	9,800 m/s <sup>2</sup> {1,000 G} (0.5 ms duration)		

▶ 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 1,073,471,824 bytes.

▶ MTTF (Mean Time to Failure) is not a guarantee or estimate of product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. Actual operating life of the product may be different from the MTTF.

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

▶ IOPS: Input Output Per Second (or the number of I/O operations per second)