

Attachment

MHZ2 BK Series: Key Specifications

Capacity (*1)	80 GB	120 GB	160 GB	250 GB
Interface	SATA 3.0/1.5 Gb/s (ATA-8, Serial ATA 2.6)			
Rotation speed	7,200 RPM			
Average seek time (typ.)	10.5ms (read) 12.5 ms (write)			
Data transfer rate	Max 300 MB/s			
Buffer size (*2)	16 MB			
Shock resistance, during operation	325 G (2 ms)			
Shock resistance, non-operating	900 G (1 ms)			
Voltage	+5 V \pm 5%			
Power consumption				
Read/write (typ.)	2.3 W (3.0 Gb/s) / 2.1 W (1.5 Gb/s)			
Idle (typ.)	0.80 W (in slumber mode)			
Standby (typ.)	0.13 W (in slumber mode)			
Noise at idle (typ.)	2.5 bels			
Dimensions (*3)	9.5 x 70 x 100 mm			
Weight	115g or less			

MHZ2 BS Series: Key Specifications

Capacity	120 GB	250 GB
Interface	SATA 3.0/1.5 Gb/s (ATA-8, Serial ATA 2.5)	
Rotational speed	5,400 RPM	
Average seek time (typ.)	12 ms (read) 14 ms (write)	
Data transfer rate	Max 300 MB/s	
Buffer size	8 MB	
Shock resistance, during operation	325 G (2 ms)	
Shock resistance, non-operating	900 G (1 ms)	
Voltage	+5 V \pm 5%	
Power consumption		
Read/write (typ.)	2.1 W (3.0 Gb/s) / 1.9 W (1.5 Gb/s)	
Idle (typ.)	0.60 W (in slumber mode)	
Standby (typ.)	0.13 W (in slumber mode)	
Noise at idle (typ.)	2.4 bels	
Dimensions	9.5 x 70 x 100 mm	
Weight	101g or less	

Notes

1: 1 GB is equivalent to 1 billion bytes. Usable storage capacity is actually less than this figure. Actual storage capacity may vary depending on the environment and formatting of the customer's system.

2: Some buffer memory will be used by the firmware controller.

3: Excludes PCBA and connector.