

TOSHIBA

Leading Innovation >>>

STORAGE DEVICE DIVISION



MBF2xxLRC

2.5-inch SAS Enterprise HDD in 3.5-inch LFF Frame

Key Advantages:

- 600GB in 3.5-inch Form Factor Frame
- Faster and more efficient 6Gb/s SAS Interface
- 10,025 RPM for high performance and reliability

Applications:

- Mid-range volume servers
- Mainstream storage array
- Blade servers
- Rackmount servers
- Other business critical applications

Specifications:

	MBF260LRC	MBF245LRC	MBF230LRC
Data Storage Capacity:			
Per drive, Formatted	600 GB	450 GB	300 GB
Areal Density	384 Gbit/inch ²		
Number of Platters / Heads	3 / 6	3 / 5	2 / 3
Bytes/ Sector	512		
Rotational Speed (rpm)	10,025		
Average Latency	2.99 ms		
Average Seek Time:			
Track-to-Track (read/write)	0.2 / 0.4 ms		
Average seek (read/write)	4.0 / 4.4 ms		
Interface:			
Type	DSAS		
Buffer (MB)	16		
Data Transfer Rate:	6.0 Gb/s		
Power Requirements:			
Voltage (V); Supply	+5V (±5%), 12V (±5%)		
Idle (Watts)	3.5 W / 3.5 W / 3.2 W		
Spin-up (start) in A.	12V @ 1.2A peak ; 5V @ 0.38A		
Physical & Environmental Specifications Dimensions – mm:			
Width x Depth x Height	101.6 x146.0 x 25.4 mm (max.)		
Weight max (Kg)	0.5		
Environmental:			
Temp: Operating / Non-operating in °C	5 to 55°C / -40 to 70°C		
Altitude Operating / Non-operating	3,048 m / 12,192 m		
Shock Operating / Non-operating	100 G / 400 G / 1ms duration		
Humidity Operating / Non-operating	5% to 95% RH		
Vibration: Operating	0.6 mm (5 to 20Hz) / (1.0G) 20 to 300Hz		
Acoustic Noise (ready):	2.9 Bels typ.		
MTBF	1,600,000 hours		

