

# TOSHIBA

Leading Innovation >>>

STORAGE DEVICE DIVISION



## MBF2xxORC

2.5-inch SAS Enterprise HDD

### Key Advantages:

- 600GB in 2.5-inch Small Form Factor
- Faster and more efficient 6Gb/s SAS Interface
- 10,025RPM for high performance and reliability
- Self Encryption (SED) option for optimum data security

### Applications:

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

### Specifications:

	MBF2300RC	MBF2450RC	MBF2600RC
<b>Data Storage Capacity:</b>			
Per drive, Formatted	300 GB	450 GB	600 GB
Areal Density	384 Gbit/inch <sup>2</sup>		
Number of Platters / Heads	2 / 3	3 / 5	3 / 6
Bytes/ Sector	512		
Rotational Speed (rpm)	10,025		
Average Latency	2.99 ms		
<b>Average Seek Time:</b>			
Track-to-Track (read/write)	0.2 / 0.4 ms		
Average seek (read/write)	4.0 / 4.4 ms		
<b>Interface:</b>			
Type	SAS 2.0		
Buffer (MB)	16		
Data Transfer Rate:	6.0 Gb/s		
<b>Power Requirements:</b>			
Voltage (V); Supply	+5V (±5%), 12V (±5%)		
Idle (Watts)	4.5		
Spin-up (start) in A.	12V @ 1.2A peak ; 5V @ 0.38A		
<b>Physical &amp; Environmental Specifications Dimensions – mm:</b>			
Width x Depth x Height	69.85 x 100.45 x 15.0 mm (max.)		
Weight max (Kg)	0.22		
<b>Environmental:</b>			
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		

