

TOSHIBA

Leading Innovation >>>

STORAGE DEVICE DIVISION



MKxx59GSM

2.5-inch SATA HDD

Key Advantages:

- Up to 1 TB Storage Capacity
- 1.5 and 3Gb/s Serial ATA, revision 2.6
- 8MB Cache Buffer
- 4K byte-per-sector

Applications:

- Notebooks and Small Form Factor PCs
- External Storage
- And more Digital Applications

Specifications:

	MK7559GSM	MK1059GSM
Data Storage Capacity:		
Per drive, Formatted	750 GB	1000 GB
Number of Platters	3	
Number of Heads	6	
Bytes/ Sector	4k	
Rotational Speed (rpm)	5,400	
Average Latency	5.55 ms	
Average Seek Time:		
Track-to-Track (seek)	2 ms	
Average seek	12 ms	
Interface:		
Type	SATA 2.6 / ATA-8	
Buffer (MB)	8	
Data Transfer Rate:	3.0 Gb/s	
Power Requirements:		
Voltage (V); Supply	+5V (±5%)	
Sleep	0.15	
Standby	0.18	
Read / Write	1.7	
Spin-up (start)	4.5	
Physical & Environmental Specifications Dimensions – mm:		
Width x Depth x Height	69.85 x 100.45 x 12.5 mm	
Weight max (Kg)	148	
Environmental:		
Temp: Operating / Non-operating in °C	5 to 55°C / -40 to 60°C	
Shock Operating / Non-operating	400 G 2ms / 900 G 1ms	
Vibration: Operating	1.0G with 5 to 500Hz	
Accoustic Noise (random seek)	25 dBA	
MTBF	600,000 hours	

