

# TOSHIBA

Leading Innovation >>>

STORAGE DEVICE DIVISION



## MKxx76GSX

2.5-inch SATA HDD

### Key Advantages:

- Up to 640GB Storage Capacity
- 3Gb/s Serial ATA, revision 2.6
- 5,400 Rotational Speed
- Eco-Conscious and Durable Design

### Applications:

- Notebooks and Small Form Factor PCs
- Video Surveillance systems
- Gaming Consoles
- External Storage Devices

### Specifications:

	MK1676GSX	MK2576GSX	MK3276GSX	MK5076GSX	MK6476GSX
Storage Capacity, Formatted	160 GB	250 GB	320 GB	500 GB	640 GB
Number of Platters	1	1	1	2	2
Number of Heads	1	2	2	4	4
Bytes/ Sector	512				
Rotational Speed (rpm)	5,400				
Average Latency	5.55 ms				
<b>Average Seek Time:</b>					
Track-to-Track (seek)	2 ms				
Average seek	12 ms				
<b>Interface:</b>					
Type	Serial ATA 2.6 / ATA-8				
Data Transfer Rate:	3Gb/s				
<b>Buffer (MB)</b>	8				
<b>Power Requirements:</b>					
Voltage (V); Supply	+5V (±5%)				
Sleep (W)	0.15				
Standby (W)	0.18				
Read / Write (W)	1.5				
Spin-up (start) (W)	4.5				
<b>Physical &amp; Environmental Specifications Dimensions – mm:</b>					
Width x Depth x Height	69.85 x 100.0 x 9.5 mm				
Weight max	98 g	98 g	98 g	102 g	102 g
<b>Environmental:</b>					
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)	20 dBA	20 dBA	20 dBA	25 dBA	25 dBA
ROHS Compliant	Yes				

