



**MK5056GSY**  
**2.5-inch SATA HDD**

**Key Advantages:**

- 7200 rpm drives deliver best performance
- Low power consumption lets NBs work longer
- Super-quiet Seek Technology
- Durable and reliable

**Applications:**

- Notebooks and small form factor PCs
- External storage
- Set-top boxes
- And more digital applications

**Specifications:**

<b>Data Storage Capacity:</b>	
Per drive, Formatted	500 GB
Number of Platters	2
Number of Heads	4
Bytes/ Sector	512
Rotational Speed (rpm)	7200
<b>Average Seek Time:</b>	
	msec
Track-to-Track	1
Read / Write	11 / 12
<b>Interface:</b>	
Type	SATA 2.6 / ATA- 8
Buffer (MB)	16
Data Transfer Rate:	Max.3Gbit/sec
<b>Nominal Power Requirements:</b>	
Voltage (V); Supply	+5V (5%)
Sleep (Watts)	0.13
Standby (Watts)	0.16
Read (Watts)	2.1
Write (Watts)	2.1
Start-up (Watts)	5.5

<b>Physical &amp; Environmental Specifications Dimensions -mm:</b>	
Height	9.5
Width	69,85
Depth	100
Weight	115 g
<b>Ambient Temperature °C :</b>	
Operating	5°~55°
Non-Operating	-40°~60°
<b>Vibration and Shock:</b>	
Operating Vibration	1.0 G with 5-500Hz
Operating Shock	325 G 2 msec
Non-Operating	900 G 1msec
Acoustic Noise (Random Seek)	25 dBA
<b>Reliability Characteristics:</b>	
MTTF	600,000 hours



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