



SAMSUNG SSD PB22-J

General			
	256GB	128GB	64GB
Manufacturer	SAMSUNG	SAMSUNG	SAMSUNG
Model	256GB MLC SSD	128GB MLC SSD	64GB MLC SSD
Interface	SATA 3.0Gb/s	SATA 3.0Gb/s	SATA 3.0Gb/s
Performance			
Host Transfer Rate	300MB/sec	300MB/sec	300MB/sec
Maximum Sequential Read Rate	220MB/s	220MB/s	220MB/s
Maximum Sequential Write Rate	200MB/s	200MB/s	120MB/s
Drive Capacity			
	256GB	128GB	64GB
Unformatted Capacity	256GB	128GB	64GB
User-Addressable Sectors	500,118,192	250,069,680	125,045,424
Bytes per Sector	512	512	512
Electrical			
	2.5"	1.8"	Slim
Voltage	5V \pm 5%	3.3V \pm 5%	3.3V \pm 5%
Power Consumption			
Active	1.5W		
Idle/Standby/Sleep	0.15W		
Reliability			
S.M.A.R.T Support	Yes		
MTBF	1,000,000 Hours		
Preventive Maintenance	None required		
Environment			
Temperature			
Operating	0°C to 70°C		
Non-Operating	-55°C to 95°C		
Shock			
Operating	1500G, (@ 0.5msec half sine wave)		
Non-Operating	1500G, (@ 0.5msec half sine wave)		
Vibration	20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis		
Humidity	0°C to 55°C / 90~98% RH		
Physical			
	2.5"	1.8"	Slim
Width	69.85 \pm 0.25mm	54.0 \pm 0.2mm	54.0 \pm 0.13mm
Height	9.5 \pm 0.2mm	5.0 \pm 0.15mm	3.6 \pm 0.13mm
Length	100.3 \pm 0.2mm	78.50 \pm 0.3mm	76.20 \pm 0.13mm
Weight	80g	40g	20g

NOTE : 1 megabyte (MB) = 1 million bytes; 1 gigabyte (GB) = 1 billion bytes

Feb. 2009