

# OCZ Vertex Series SATA II 2.5" SSD



### Design and Technology:

The OCZ Vertex Series is the industry-leading flash-based storage solution, delivering the performance and reliability of SSDs at a lower price per gigabyte than other high speed offerings currently on the market. The OCZ Vertex Series is the result of all the latest breakthroughs in SSD technology, including the first model on the market to use the Indilinx Barefoot controller, blazing read/write speeds, and 64MB of onboard cache.

Perfect for notebooks and desktops alike, the Vertex Series is ideal for energy-efficient mobile computing to extend battery life, increase the speed of access time, and provide a durable alternative to conventional hard disc drives with superior shock resistance. High capacities and low power consuming NAND flash technology provide the necessary

performance and battery life boosts generated by the proliferation of mobile gaming and new ultra-thin laptops.

### Applications:

- Notebook PCs
- Desktop PCs
- Netbooks

Physical Specifications	
<b>Capacity:</b>	30,60,90,120,250GB
<b>NAND Flash Components:</b>	Multi-Level Cell (MLC) NAND Flash Memory
<b>Interface:</b>	SATA II / 3Gbps
<b>Form Factor:</b>	2.5" slim design form factor
<b>Physical Dimensions:</b>	99.8 (L) x 69.63 (W) x 9.3mm (H)

Reliability Specifications	
<b>Life Expectancy:</b>	1.5 million hours Mean Time Between Failure (MTBF)
<b>Reliability:</b>	BCH: 8 or 12 bits/sector for 128 Bytes spare and 16bits/sector for 128 Bytes spare size read.
<b>Product Health Monitoring:</b>	Self-Monitoring, Analysis and Reporting Technology

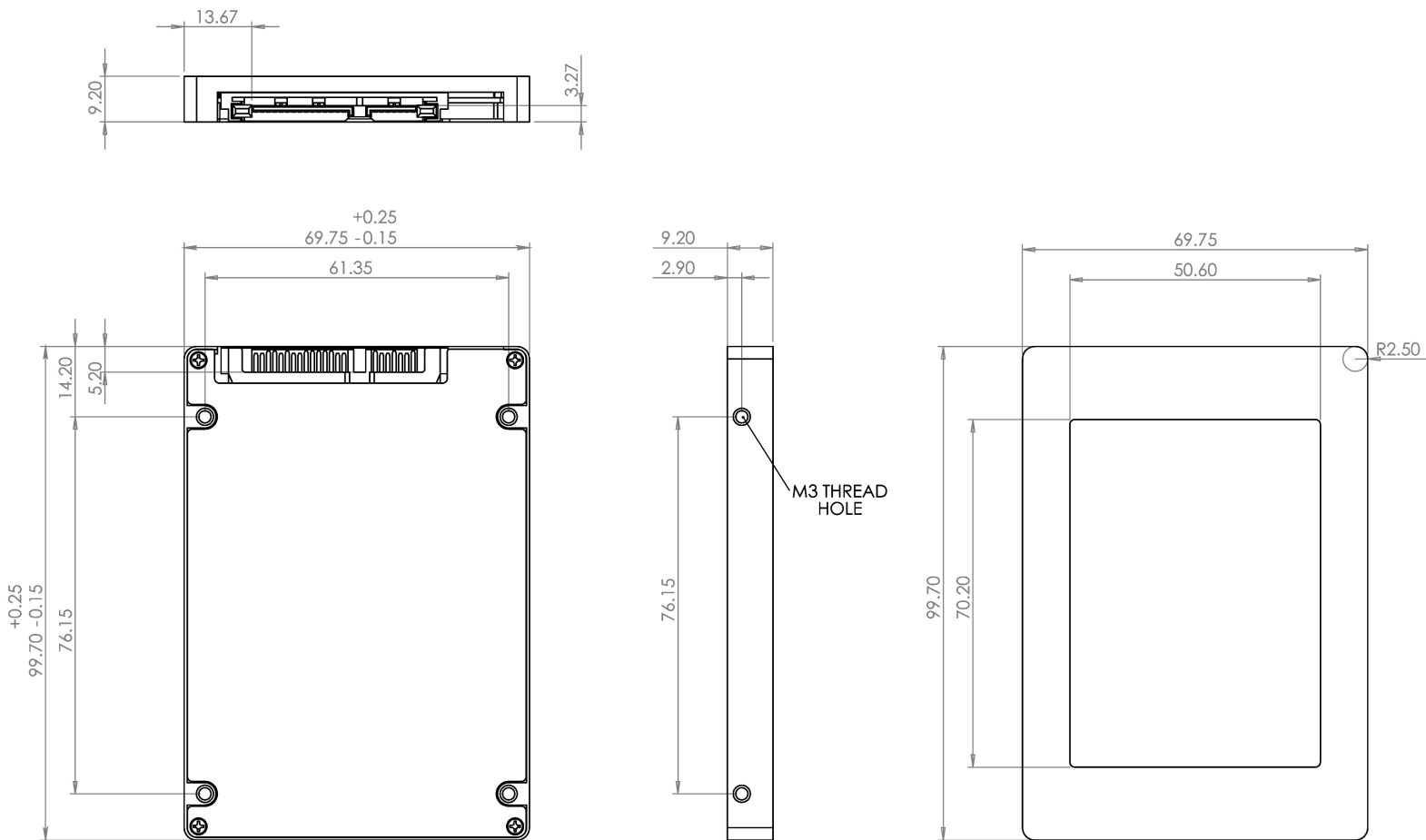
Environmental Specifications	
<b>Operating Temperature:</b>	0°C ~ +70°C
<b>Storage Temperature:</b>	-45°C ~ +85°C
<b>Shock Resistance:</b>	1500G
<b>Certifications:</b>	Meets EU RoHS, CE, FCC

Part Numbers	
<b>OCZSSD2-1VTX30G</b>	<b>OCZSSD2-1VTX120G</b>
<b>OCZSSD2-1VTX60G</b>	<b>OCZSSD2-1VTX250G</b>
<b>OCZSSD2-1VTX96G</b>	-

Max Performance	32GB	64GB	96GB	128GB	250GB
<b>Max Read:</b>	up to 210 MB/s	up to 230 MB/s	up to 235 MB/s	up to 250 MB/s	up to 250 MB/s
<b>Max Write:</b>	up to 75 MB/s	up to 130 MB/s	up to 170 MB/s	up to 180 MB/s	up to 160 MB/s
<b>Sustained Write:</b>	up to 25 MB/s	up to 80 MB/s	up to 100 MB/s	up to 100 MB/s	up to 100 MB/s
<b>Max IOPS (4K 32QD):</b>	N/A	N/A	N/A	N/A	N/A
<b>Seek Time:</b>	0.1 ms	0.1 ms	0.1 ms	0.1 ms	0.1 ms
<b>Power Consumption (W)</b>	Idle: 0.5 Watts Active: 2 Watts	Idle: 0.5 Watts Active: 2 Watts	Idle: 0.5 Watts Active: 2 Watts	Idle: 0.5 Watts Active: 2 Watts	Idle: 0.5 Watts Active: 2 Watts
<b>Performance Optimization:</b>	TRIM / GC	TRIM / GC	TRIM / GC	TRIM / GC	TRIM / GC

Compatibility	
<b>SATA:</b>	Fully compliant with Serial ATA International Organization: Serial ATA Revision 2.6. Fully compliant with ATA/ATAPI-7 Standard Native Command Queuing (NCQ)
<b>OS Compatibility:</b>	Windows XP 32 Bit; Windows XP 64 Bit; Windows Vista 32 Bit; Windows Vista 64 Bit; Windows 7 32 Bit; Windows 7 64 Bit; Linux, Mac OSX
<b>Power Requirements:</b>	Standard SATA Power Connector

## Mechanical Specifications



**NOTE:**

1. THIS DRAWING MUST BE USED TO IDENTIFY CRITICAL DIMENSIONS, TOLERANCES AND REFERENCE.
2. INTERPRET DIMENSION AND TOLERANCE PER ANSI 14.5M-1994
3. UNLESS OTHERWISE SEPCIFIED: DIMENSIONS ARE IN MILLIMETERS