Design & Technology:

Based on a cutting-edge new architecture, Vertex 2 Solid State Drives deliver unprecedented performance while maintaining an affordable storage solution for early adopters looking to update their systems with the latest technology. OCZ designed the Vertex 2 to excel in both sequential and random read/write rates to take your PC or notebook productivity to the next level, featuring superb 4KB random writes up to 50,000 IOPS to give a performance edge over the previous generation. Using the latest controller technology, Vertex 2 not only provides a faster, more responsive PC experience, but promotes cooler, quieter, and more energy efficient conditions compared to traditional mechanical hard drives. Built with SATA 3Gb/s, the Vertex 2 Series easily integrates into today's mobile and desktop platforms and features TRIM support to optimize performance over the drive's lifespan as the ultimate Windows 7 notebook or desktop upgrade.

Applications:

- ✓ Workstation PCs
- ✓ Desktop PCs
- ✓ Notebooks

Part Numbers	RAW Capacity	IDEMA Capacity	UPC
OCZSSD2-2VTXE60G	64GB	55GB	842024018124
OCZSSD2-2VTXE90G	96GB	90GB	842024019459
OCZSSD2-2VTXE120G	128GB	115GB	842024018131
OCZSSD2-2VTXE180G	192GB	180GB	842024019077
OCZSSD2-2VTXE240G	256GB	240GB	842024018148
OCZSSD2-2VTXE480G	512GB	480GB	842024018315

Specifications:

	Vertex 2 E 60-240GB	Vertex 2 E 480GB
PERFORMANCE		
Max Read[1]	up to 285 MB/s	up to 250 MB/s
Max Write[1]	up to 275 MB/s	up to 225 MB/s
Sustained Write[2]	up to 250 MB/s	up to 150 MB/s
4KB Random Write[3]	50,000 IOPS	15,000 IOPS
Seek Time	0.1 ms	0.1 ms
PHYSICAL		
Capacities	60GB, 90GB, 120GB, 180GB, 240GB, 480GB	
NAND Components	Multi-Level Cell (MLC)	
Interface	SATA II / 3Gbps	
Form Factor	2.5 Inch	
Controller	SandForce 1222	
Dimensions (L x W x H)	99.8 x 69.63 x 9.3 mm	
Weight	77g	
ENVIRONMENTAL		
Power Consumption	Idle: 0.5 Watts Active: 2 Watts	
Operating Temperature	0°C ~ +70°C	
Storage Temperature	-45°C ~ +85°C	
Shock Resistance	1500G	
Certifications	RoHS, CE, FCC	
RELIABILITY		
MTBF	2 million hours	
ECC Recovery	Up to 24 bytes correctable per 512-byte sector	
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART)	
COMPATIBILITY		
Serial ATA (SATA)	Fully compliant with Serial ATA International Organization: Serial ATA Revision 2.6. Fully compliant with ATA/ATAPI-7 Standard Native Command Queuing (NCQ)	
Operating System	Windows XP 32-Bit and 64-Bit; Windows Vista 32-Bit & 64 Bit; Windows 7 32-Bit and 64-Bit; Linux, Mac OSX (Qualified at Apple Labs)	
Power Requirements	Standard SATA Power Connector	
ADDITIONAL FEATURES		
Performance Optimization	TRIM (requires OS support)	
System Integration	Bundled with 3.5" desktop adapter bracket	
Service & Support	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support, Firmware Updates	

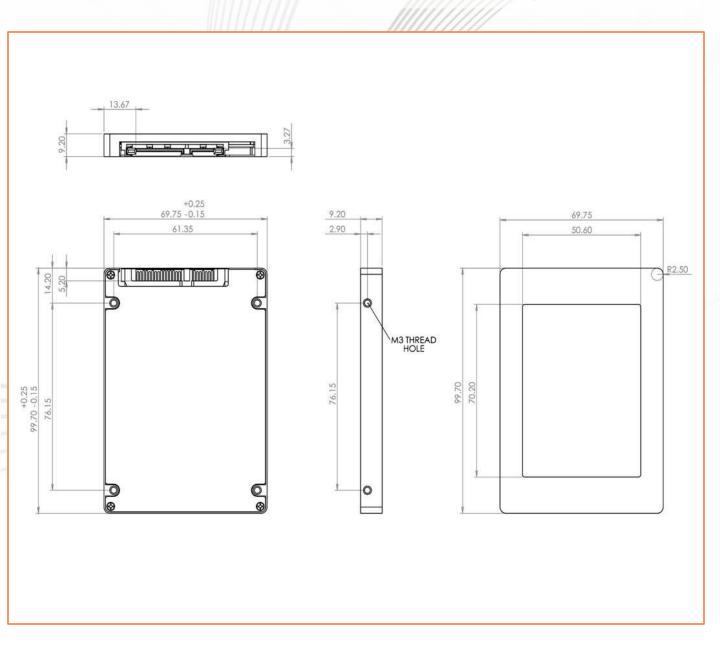[1] Maximum Sequential Speeds are determined using ATTO
[2] Sustained transfer rate is measured using Iometer 2008, Queue Depth 32, 128KB
[3] Small file I/O performance is measured using Iometer 2008, Queue Depth 32, 4KB Aligned
For AS-SSD Performance metrics, go here.

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