

Apacer

The Most **Reliable**
Storage For Industries



SFD25A-M



SFD25A-M

Overview

Apacer SFD25A-M is designed for the high levels of performance and reliability. With adoption of SATA 3.0 transmission interface, SFD25A-M offers wide range storage capacities from 32GB to 256GB with excellent IOPs. It is suitable for Embedded, Enterprise and IPC applications to optimize its operating conditions featuring in high-speed, stability and power savings.



Feature

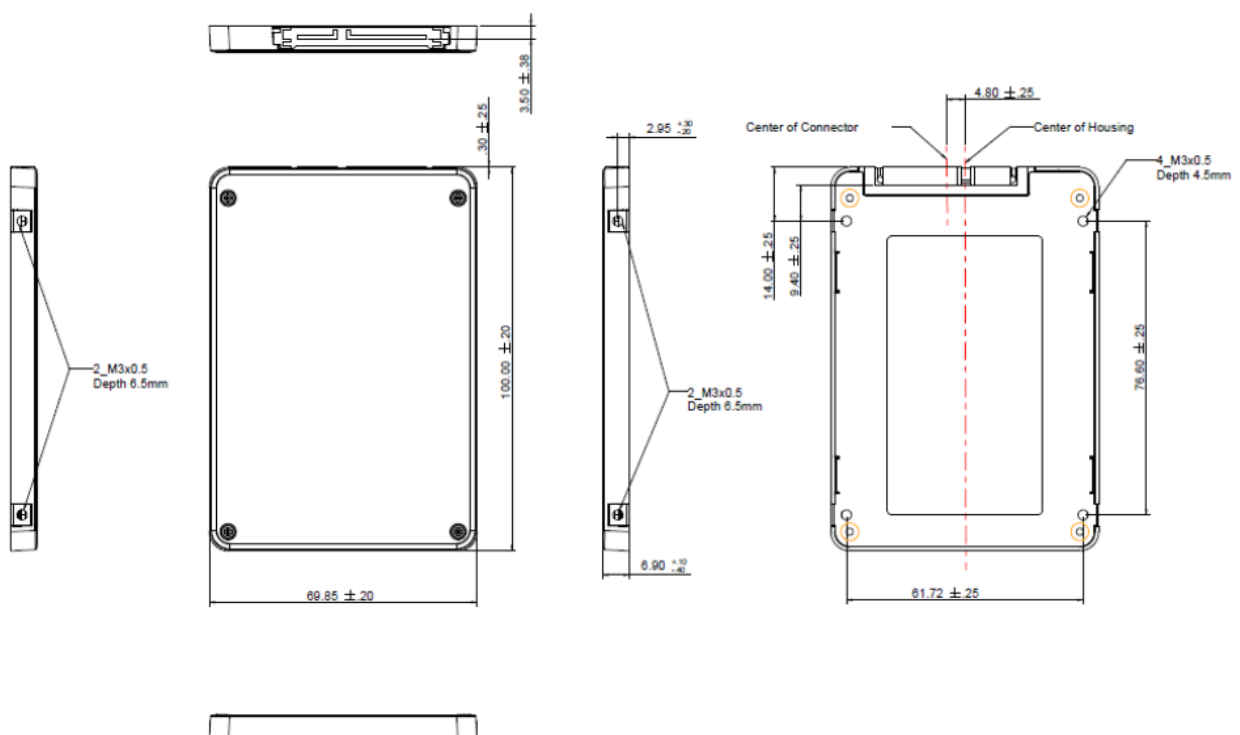
- Advanced 4K Page Mapping Technology
- Excellent IOPs- Wide Temperature support
- Built-in ATA Secure Erase and S.M.A.R.T. Functions
- Intelligent Power Failure Recovery
- DEVSLP Support (Optional)
- 9.5mm and 7mm Housing (Optional)

Specifications

Model	SFD25A-M
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin male
Form Factor	2.5
NAND Flash Type	MLC
Capacity	32GB~256GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 510
Sustained Write Performance (MB/sec)	Up to 380
ECC Engine	Built-in 40-bit per 1K bytes BCH ECC
IOPs (4K Random Write)	79K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Thermal sensor	Optional
Shock	Operation: 50G, 11ms Non-operation: 1500G, 0.5ms
Vibration	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 15 G, 10 ~ 2000 Hz/sine
Operating Voltage	5.0 V ± 5%
Power Consumption	Active mode: 680 mA & Idle mode: 50 mA
Dimension (L x W x H)	100 x 69.8 x 9.3 / 100 x 69.8 x 7 (mm)
MTBF (hours)	>1,000,000

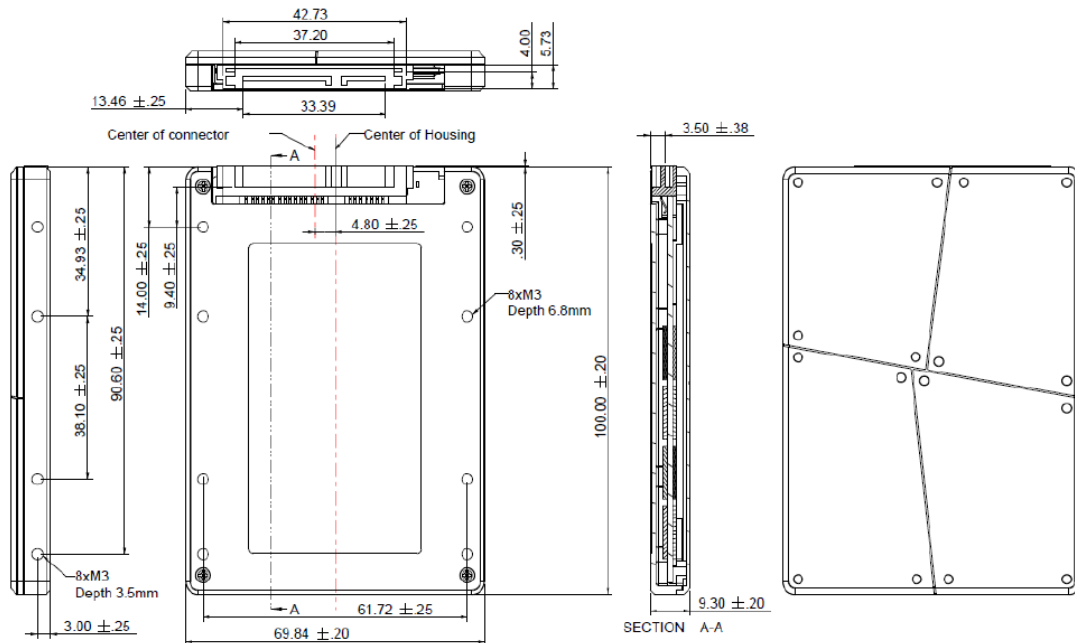
Mechanical Specification

7mm Housing



Mechanical Specification

9.5 mm Housing



Unit: mm

For more information, contact your Apacer representative

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