

Apacer

The Most **Reliable**  
Storage For Industries



SFD25A



### Overview

Apacer SFD25A is designed with SLC Flash Technology to meet the most demanding Industrial and Military environment. Featured in SATA 6.0 Gb/s interface, the SSD is able to deliver exceptional read/write speed, making it the ideal companion for heavy-loading Industrial and mission-critical Military applications. In regard of reliability, the drive comes with various implementations including powerful hardware ECC engine, power saving modes, global wear leveling, flash block management, S.M.A.R.T., TRIM, and power failure management



### Feature

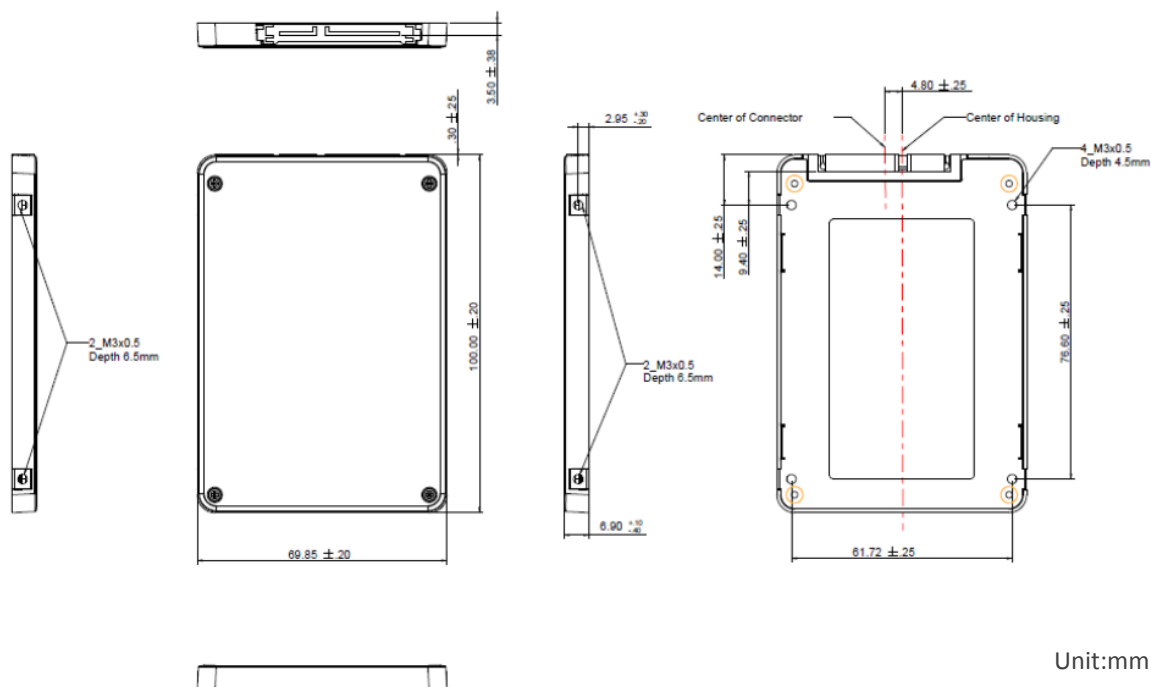
- Longevity and Long Usage Life
- Advanced 4K Page Mapping Technology
- Excellent IOPs- Wide Temperature support
- Built-in ATA Secure Erase and S.M.A.R.T. Functions
- Intelligent Power Failure Recovery
- DEVSLP Support (Optional)
- 9.5mm and 7mm Housing (Optional)

## Specifications

<b>Model</b>	SFD25A
<b>Interface</b>	SATA 3.0 (6Gb/s)
<b>Connector</b>	(7+15) pin male
<b>Form Factor</b>	2.5
<b>NAND Flash Type</b>	SLC
<b>Capacity</b>	8GB~256GB
<b>External DRAM</b>	Yes
<b>Sustained Read Performance (MB/sec)</b>	Up to 530
<b>Sustained Write Performance (MB/sec)</b>	Up to 445
<b>ECC Engine</b>	Built-in 40-bit per 1K bytes BCH ECC
<b>IOPs (4K Random Write)</b>	76K
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 100
<b>Thermal sensor</b>	Optional
<b>Shock</b>	Operation: 50G, 11ms Non-operation: 1500G, 0.5ms
<b>Vibration</b>	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 15 G, 10 ~ 2000 Hz/sine
<b>Operating Voltage</b>	5.0 V ± 5%
<b>Power Consumption</b>	Active mode: 500 mA & Idle mode: 105 mA
<b>Dimension (L x W x H)</b>	100 x 69.8 x 9.3 / 100 x 69.8 x 7 (mm)
<b>MTBF (hours)</b>	>2,000,000

## Mechanical Specification

### 7mm Housing



Unit:mm

