Apacer

The Most **Reliable**
Storage For Industries

SV25C-25 CoreSnapshot 2
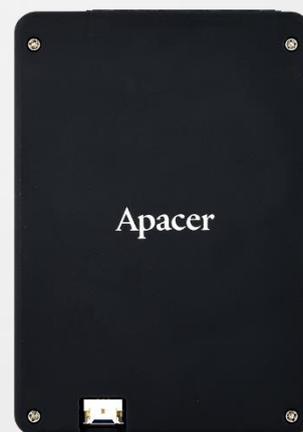
SV25C-25 CoreSnapshot 2

Overview

SV25C-25 CoreSnapshot 2 Cloud Edition is built with a powerful SATA controller that supports on-the-module ECC as well as efficient wear leveling scheme and implemented with LDPC (Low Density Parity Check) ECC engine to extend SSD endurance and increase data reliability. Furthermore, SV25C-25 CoreSnapshot 2 Cloud Edition is equipped with a built-in thermal sensor to monitor the temperature of the SSD via S.M.A.R.T commands to prevent overheating. For highly-intensive applications, End-to-End Data Protection ensures that data integrity can be assured at multiple points in the path to enable reliable delivery of data transfers. Security-wise, Advanced Encryption Standard (AES) ensures data security and provides users with peace of mind knowing their data is safeguarded at all times.
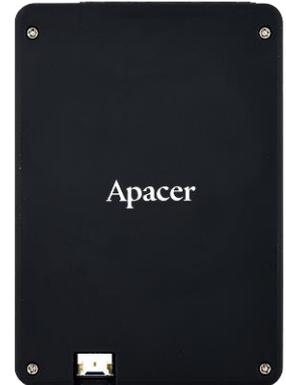
On top of that, SV25C-25 CoreSnapshot 2 Cloud Edition features CoreSnapshot 2 and Double-barreled Solution to optimize the stability of system operation and management. CoreSnapshot 2 ensures that SV25C-25 can function normally and return to normal operation in the event of unexpected system failures to reduce downtime and maximum output, while Double-barreled Solution extends the practical operating lifespan and integrates seamlessly with alternated RDM platforms, makes monitoring of a complex system much easier and more efficient through the Cloud.

Feature

- Low-Density Parity-Check (LDPC) Code

- Global Wear Leveling

- Flash bad-block management

- Flash Translation Layer: Page Mapping

- S.M.A.R.T. Function

- DataDefender™

- Device Sleep

- ATA Secure Erase

- TRIM Support

- Hyper Cache Technology

- Over-provisioning

- SMART Read Refresh™

Specifications

Model	SV25C-25 CoreSnapshot 2
Interface	SATA 3.2 (6Gb/s)
Connector	7-pin SATA signal connector 15-pin SATA power connector 3-pin CoreSnapshot 2 connector
Form Factor	2.5"
NAND Flash Type	3D TLC
Capacity	60GB~480GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 550
Sustained Write Performance (MB/sec)	Up to 485
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPs (4K Random Write)	65K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Thermal Sensor	Yes
Shock	Operation: Acceleration, 50(G)/11(ms)/half sine (compliant with MIL-STD-202G) Non-operation: Acceleration,1,500(G)/0.5(ms)/half sine (compliant with MIL-STD-883K)
Vibration	Operation:7.69(Grms), 20~2000(Hz)/random (compliant with MIL-STD-810G) Non-operation:4.02(Grms), 15~2000(Hz)/random (compliant with MIL-STD-810G)
Operating Voltage	5.0 V ± 10%
Power Consumption	Active mode: 275 mA / Idle mode: 45 mA
Dimension (L x W x H)	7mm:100.00 x 69.85 x 6.90 (mm)
MTBF (hours)	>3,000,000

Mechanical Specification
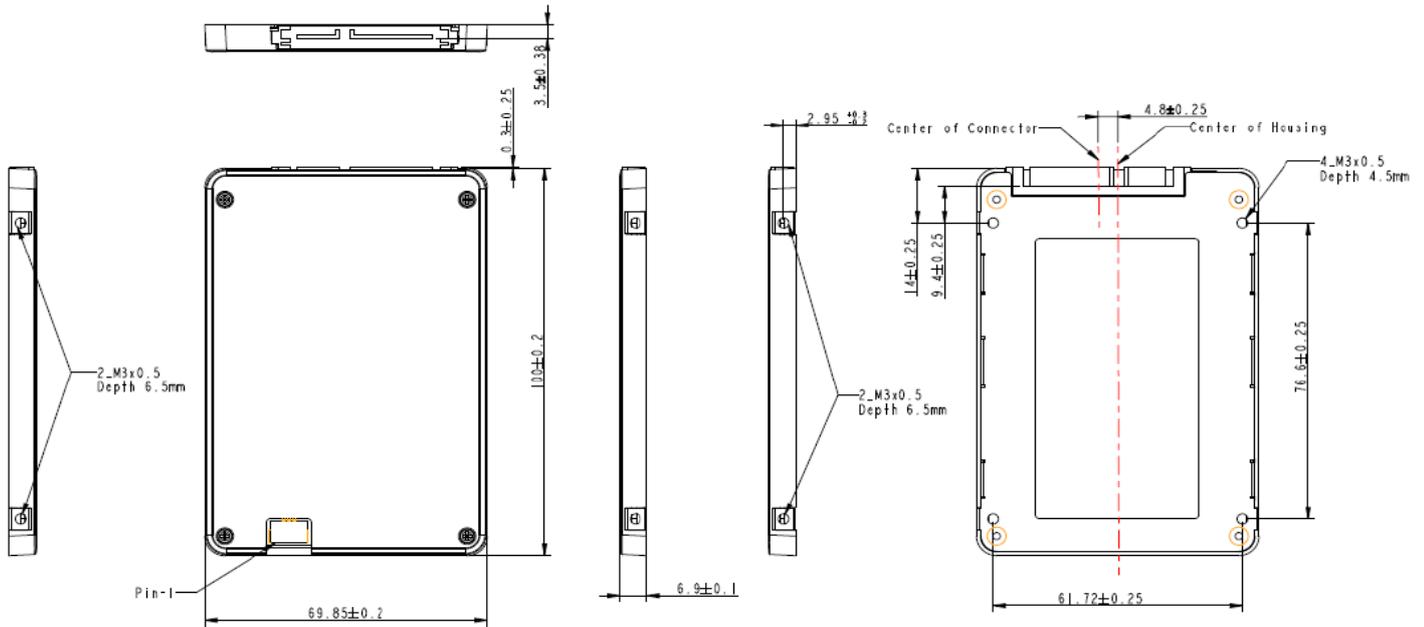
Unit: mm

For more information,
contact your Apacer representative