# Apacer

## The Most **Reliable** Storage For Industries

SH250-300B



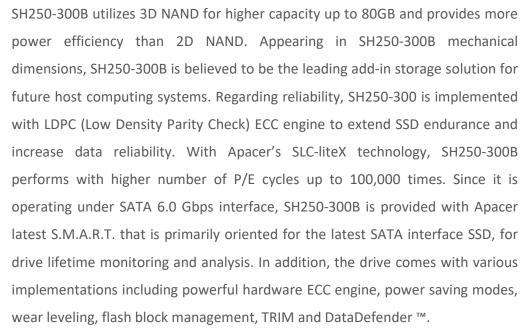


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### SH250-300B

#### Overview

Apacer's SH250-300B is a well-balanced solid-state disk (SSD) drive with standard form factor and great performance. Designed in SATA 6.0 Gbps interface, the SSD is able to deliver exceptional read/write speed, making it the ideal companion for heavy-loading industrial or server operations.



In terms of security, Advanced Encryption Standard (AES) ensures data security and provide users with a peace of mind knowing their data is safeguarded against unauthorized use at all times. Furthermore, with End-to-End Data Protection, data integrity can be assured at multiple points in the path to enable reliable delivery of data transfers.



- · Low-Density Parity-Check (LDPC) Code
- · Global Wear Leveling
- · Flash Bad-block Management
- · Flash Translation Layer: Page Mapping
- · S.M.A.R.T.
- DataDefender™

- · Device Sleep
- · ATA Secure Erase
- · TRIM Support
- · SAMRT Read Refresh™ technology
- · SLC-liteX (P/E cycle: 100K)

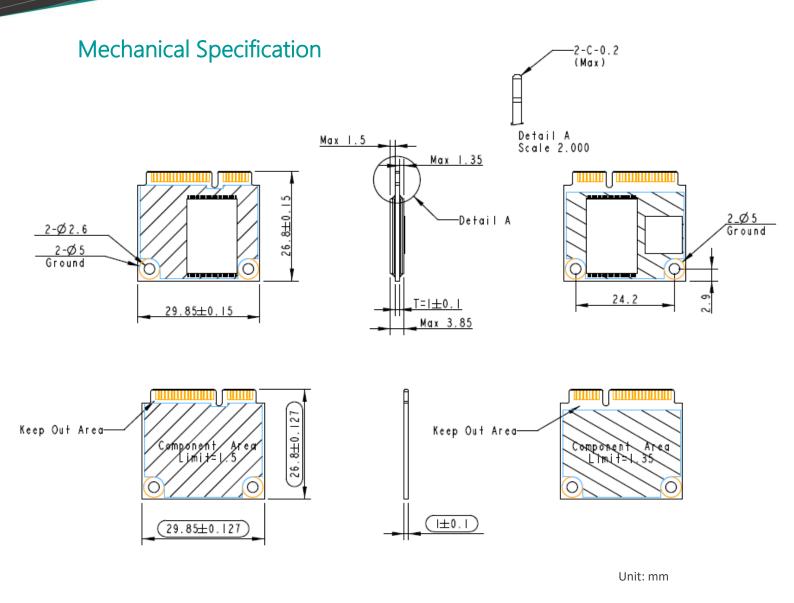




## Specifications

Model	SH250-300B
Interface	SATA 3.2 (6Gb/s)
Connector	52-pin mSATA connector
Form Factor	mSATA mini, JEDEC MO-300B
NAND Flash Type	3D TLC
Capacity	10GB~80GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 560
Sustained Write Performance (MB/sec)	Up to 500
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	70K
Standard Operating Temperature ( °C )	0~+70
Extended Operating Temperature ( °C )	-40 ~ + 85
Storage Temperature ( °C )	-40 ~ + 100
Thermal Sensor	Yes
Shock	Operation: 50G/11ms Non-operation: 1500G/0.5ms (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/sine (compliant with MIL-STD-810G)
Operating Voltage	3.3 V ±5%
Power Consumption	Active mode:420 mA / Idle mode: 65 mA
Dimension (L x W x H )	29.85 x 26.80 x 3.85 (mm)
MTBF (hours)	>3,000,000





# For more information, contact your Apacer representative

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