

The Most **Reliable** Storage For Industries

SV170-300B mSATA mini





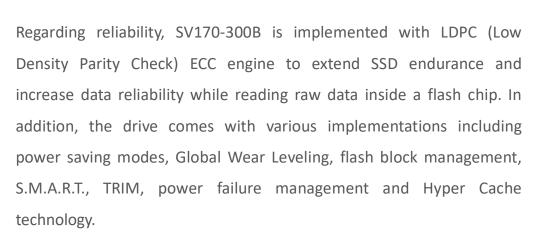
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SV170-300B mSATA mini

Overview

Apacer's SV170-300B utilizes 3D NAND for higher capacity up to 240 GB and provides more power efficiency than 2D NAND with compact form factor (mSATA, JEDEC MO-300B) and great performance. Designed in SATA 6 Gb/s interface, the mSATA SSD is able to deliver exceptional read/write speed, making it the ideal companion for heavy-loading embedded or server operations with space constraints for host computing systems.



Feature

- · Adopts advanced LDPC ECC engine with 3D NAND flash memory to improve reliability
- · Global Wear Leveling
- · Flash bad-block management
- · Flash Translation Layer: Page Mapping
- · Supports SSDWidget S.M.A.R.T function
- · Power Failure Management
- · End-to-End Data Protection
- · TRIM Support
- · ATA Secure Erase
- · Hyper Cache Technology
- · Over-Provision
- · SMART Read Refresh™





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Specifications

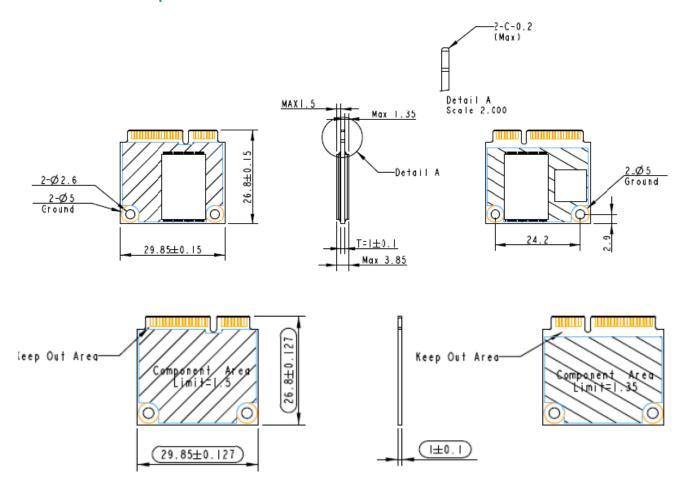
Model	SV170-300B		
Interface	SATA 3.2 (6Gb/s)		
Connector	52-pin mSATA connector		
Form Factor	JEDEC MO-300B		
NAND Flash Type	3D TLC		
Capacity	30GB~240GB		
External DRAM	No		
Sustained Read Performance (MB/sec)	ed Read Performance (MB/sec) Up to 560		
Sustained Write Performance (MB/sec)	Up to 450		
ECC Engine	Low-Density Parity-Check (LDPC) Code		
IOPS (4K Random Write)	80K		
Standard Operating Temperature ($^{\circ}\mathrm{C}$)	0 ~ + 70		
Storage Temperature (°C)	-40 ~ + 100		
H/W Write Protect	No		
Thermal Sensor	Yes		
Shock	Operation: 50G/11ms (compliant with MIL-STD-202G) 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: 415 mA / Idle mode: 105 mA		
Dimension (L x W x H)	29.85 x 26.80 x 3.85 (mm)		
MTBF (hours)	>3,000,000		

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Mechanical Specification



Unit: mm

For more information, contact your Apacer representative

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