

Apacer

The Most **Reliable**
Storage For Industries

SV170- μ SSD



HS ITALIA

Distributore ufficiale per l'Italia
+39 0536 830620
info@hs-italia.it
www.hs-italia.it

SV170- μ SSD

Overview

Apacer ultra-small 16x20mm SSD- μ SSD complies with JEDEC MO-276 specification, a maximum sequential read/write speed of 560/460 MB/sec, which integrates key components such as controller, flash in a single chip using a single ball grid array package (BGA) technology, breaking the traditional size restrictions, and is a great leap forward in terms of technology.

In addition, its characteristics such as wide temperature (-40°C ~ $+85^{\circ}\text{C}$) and surface-mount technology (SMT) provide the most stable storage installation for observation and photography even in high altitude.



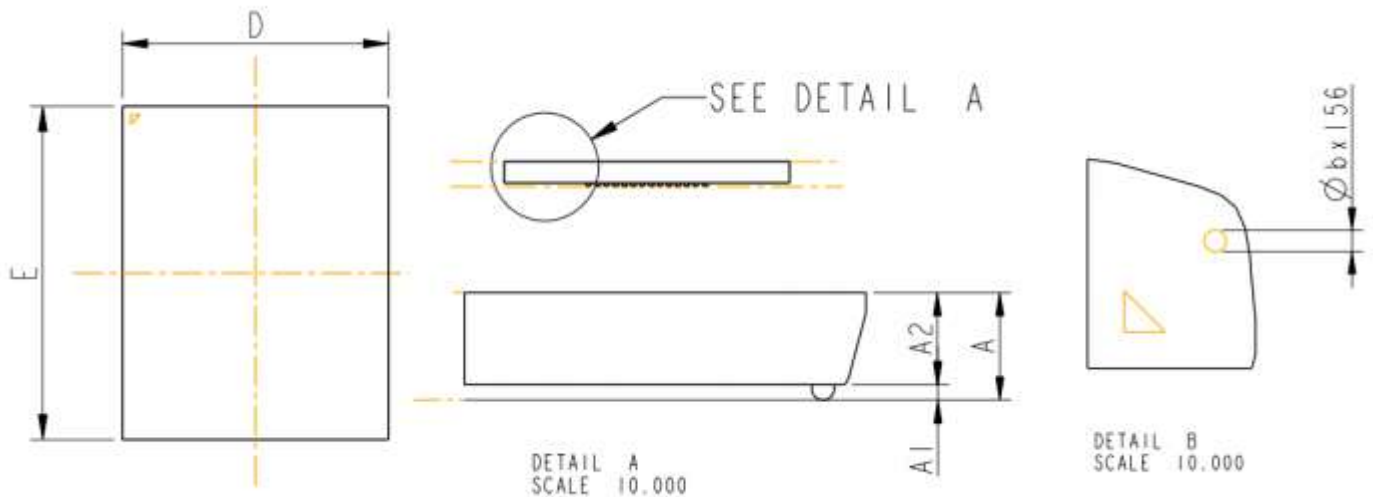
Feature

- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- S.M.A.R.T.
- Power Failure Management
- ATA Secure Erase
- Device Sleep
- TRIM
- Hyper Cache Technology
- Over-Provisioning

Specifications

Model	SV170-μSSD
Interface	SATA 3.2 (6Gb/s)
Connector	BGA 156 Ball
Form Factor	MO-276
NAND Flash Type	TLC
Capacity	30GB~120GB
Sustained Read Performance (MB/sec)	Up to 560
Sustained Write Performance (MB/sec)	Up to 460
ECC Engine	Built-in 72-bit per 1K bytes LDPC ECC
IOPS (4K Random Write)	79K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
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: 4.02Grms, 15~2000 Hz/sine (compliant with MIL-STD-810G)
Operating Voltage	- 3.3V ± 5% - 1.8V ± 5% - 1.2V ± 5%
Power Consumption	Active mode: 380 mA & Idle mode: 95 mA
Dimension (L x W x H)	16 x 20 x 1.4 (mm)
MTBF (hours)	>1,000,000

Mechanical Specification



Unit: mm

For more information,
contact your Apacer representative

Global Presence

Taiwan (Headquarters)
Apacer Technology Inc.
Tel: +886-2-2267-8000
Fax: +886-2-2267-2261

Europe
Apacer Technology B.V.
Tel: +31-40-267-0000
Fax: +31-40-290-0686

U.S.A.
Apacer Memory America, Inc.
Tel: +1-408-518-8699
Fax: 1-510-249-9551

China
Apacer Electronic(Shanghai)
Co., Ltd.
Tel: +86-21-6228-9939

Japan
Apacer Technology Corp.
Tel: +81-3-5419-2668
Fax: +81-3-5419-0018

India
Apacer Technologies Pvt. Ltd.
Tel: +91-80-41529061~3
Fax: +91-80-41700215