

SQF-S25 650

SATA III (6.0Gb) 2.5" SSD



Features

- SATA 3.2 Compliant
- High Endurance sTLC Product Selection
- AES-256 Support & TCG-OPAL Compliant
- Support HW Write Protection
- Supports LDCP & RAID ECC
- DeviceOn SQManager & software API package
- Multiple Temperature Range Product Selection
- Software and Hardware Security Functions



Specifications

Connect Type	Standard 7+15-pin SATA connector
Flash type	3D TLC/ 3D sTLC
Capacity	3D TLC: 64GB ~ 2TB 3D sTLC: 32GB ~ 512GB;
Transfer Mode	SATA III (Up to 6Gb/s)
Max. Power Consumption	3D TLC: Read: 1.5 W, Write: 1.75 W 3D sTLC: Read: 1.45 W, Write: 1.4 W
Sustained R/W Performance (*)	up to 550/ 520 MB/sec
Operating Temperature	Commercial Temperature: 0 to +70 °C Minus Temperature: -20 to +85 °C Extended Temperature: -40 to +85 °C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Dimensions (mm)	100.0 x 69.85 x 7.0

(*) These values are for reference only; they may change according to the flash memory used.

Ordering Information

PN	Description
SQF-S25V1-64GDSDC	SQF 2.5" SSD 650-D 64G 3D TLC (BiCS5) (0~70°C)
SQF-S25V1-128GDSDC	SQF 2.5" SSD 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-S25V1-256GDSDC	SQF 2.5" SSD 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-S25V2-512GDSDC	SQF 2.5" SSD 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-S25V4-1TDSDC	SQF 2.5" SSD 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-S25V4-2TSDC	SQF 2.5" SSD 650-D 2T 3D TLC (BiCS5) (0~70°C)
SQF-S25V1-64GDSMD	SQF 2.5" SSD 650-D 64G 3D TLC (BiCS5) (-20~85°C)
SQF-S25V1-128GDSMD	SQF 2.5" SSD 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-S25V1-256GDSMD	SQF 2.5" SSD 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-S25V2-512GDSMD	SQF 2.5" SSD 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-S25V4-1TDSMD	SQF 2.5" SSD 650-D 1T 3D TLC (BiCS5) (-20~85°C)
SQF-S25V4-2TDSMD	SQF 2.5" SSD 650-D 2T 3D TLC (BiCS5) (-20~85°C)
SQF-S25V1-64GDSDE	SQF 2.5" SSD 650-D 64G 3D TLC (BiCS5) (-40~85°C)
SQF-S25V1-128GDSDE	SQF 2.5" SSD 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-S25V1-256GDSDE	SQF 2.5" SSD 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-S25V2-512GDSDE	SQF 2.5" SSD 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-S25V4-1TDSDE	SQF 2.5" SSD 650-D 1T 3D TLC (BiCS5) (-40~85°C)
SQF-S25V4-2TDSDE	SQF 2.5" SSD 650-D 2T 3D TLC (BiCS5) (-40~85°C)

PN	Description
SQF-S25Z1-32GDSDC	SQF 2.5" SSD 650-D 32G 3D sTLC (BiCS5) (0~70°C)
SQF-S25Z1-64GDSDC	SQF 2.5" SSD 650-D 64G 3D sTLC (BiCS5) (0~70°C)
SQF-S25Z2-128GDSDC	SQF 2.5" SSD 650-D 128G 3D sTLC (BiCS5) (0~70°C)
SQF-S25Z4-256GDSDC	SQF 2.5" SSD 650-D 256G 3D sTLC (BiCS5) (0~70°C)
SQF-S25Z4-512GDSDC	SQF 2.5" SSD 650-D 512G 3D sTLC (BiCS5) (0~70°C)
SQF-S25Z1-32GDSDE	SQF 2.5" SSD 650-D 32G 3D sTLC (BiCS5) (-40~85°C)
SQF-S25Z1-64GDSDE	SQF 2.5" SSD 650-D 64G 3D sTLC (BiCS5) (-40~85°C)
SQF-S25Z2-128GDSDE	SQF 2.5" SSD 650-D 128G 3D sTLC (BiCS5) (-40~85°C)
SQF-S25Z4-256GDSDE	SQF 2.5" SSD 650-D 256G 3D sTLC (BiCS5) (-40~85°C)
SQF-S25Z4-512GDSDE	SQF 2.5" SSD 650-D 512G 3D sTLC (BiCS5) (-40~85°C)