



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SQF-SDM 630

SATA III (6.0Gb) Disk Module

SQF-SDM 530

SATA III (6.0Gb) Disk Module

NEW



RoHS COMPLIANT PRODUCTS CE FCC



Features

- Compliant with SATA III and SATA v3.0 standard
- Supports 72 bit ECC correct per 1K Byte data
- Universal Wear-leveling and Bad Block Management
- Shock resistance, anti-vibration and Low power consumption
- GUI Management Tool & Software API Package
- Supports hardware write protect

Specifications

Connector Type	Standard 7-pin SATA connector
Flash type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 32GB Ultra MLC: 4 to 32GB MLC: 4 to 64GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 500/150 MB/sec MLC: up to 250/100 MB/sec
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Endurance	2,000,000 program/erase cycles
Dimensions (mm)	44.7 x 11.2 x 4.2

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

Ordering Information

PN	Description
SQF-SDMS1-1G-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 1 GB (0 ~ 70° C)
SQF-SDMS1-1G-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 1 GB (-40 ~ 85° C)
SQF-SDMS2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 2/4/8/16/32 GB (0 ~ 70° C)
SQF-SDMS2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 2/4/8/16/32 GB (-40 ~ 85° C)
SQF-SDMU2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) Ultra MLC, DMA, 4/8/16/32 GB (0 ~ 70° C)
SQF-SDMU2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) Ultra MLC, DMA, 4/8/16/32 GB (-40 ~ 85° C)
SQF-SDMM1-4G-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 4 GB (0 ~ 70° C)
SQF-SDMM1-4G-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 4 GB (-40 ~ 85° C)
SQF-SDMM2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 8/16/32/64 GB (0 ~ 70° C)
SQF-SDMM2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 8/16/32/64 GB (-40 ~ 85° C)

Note: X stands for different capacities

NEW



RoHS COMPLIANT PRODUCTS CE FCC

Features

- Vertical type SATA DOM with housing
- Compliant with SATA III and SATA v3.0 standard
- Supports 40 bit ECC correct per 1K Byte data
- Universal wear-leveling and bad block management
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

Connector Type	Standard 7-pin SATA connector
Flash Type	SLC / MLC
Capacity	SLC: 2 to 32GB MLC: 8 to 128GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 120/100 MB/sec MLC: up to 450/150 MB/sec
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1500, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Endurance	2,000,000 program/erase cycles
Dimensions (mm)	39.4 (L) x 25 (W) x 6.5 (H)

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

Ordering Information

PN	Description
SQF-SDMS2-2G-J6C	SQFlash 530 series SATA DOM V 2 GB SLC 2-CH (0 ~ 70° C)
SQF-SDMS2-2G-J6E	SQFlash 530 series SATA DOM V 2 GB SLC 2-CH (-40 ~ 85° C)
SQF-SDMS4-XG-J6C	SQFlash 530 series SATA DOM V 4/8/16/32/64 GB SLC 4-CH (0 ~ 70° C)
SQF-SDMS4-XG-J6E	SQFlash 530 series SATA DOM V 4/8/16/32/64 GB SLC 4-CH (-40 ~ 85° C)
SQF-SDMM1-8G-J6C	SQFlash 530 series SATA DOM V 8 GB MLC 1-CH (0 ~ 70° C)
SQF-SDMM1-8G-J6E	SQFlash 530 series SATA DOM V 8 GB MLC 1-CH (-40 ~ 85° C)
SQF-SDMM2-16G-J6C	SQFlash 530 series SATA DOM V 16 GB MLC 2-CH (0 ~ 70° C)
SQF-SDMM2-16G-J6E	SQFlash 530 series SATA DOM V 16 GB MLC 2-CH (-40 ~ 85° C)
SQF-SDMM4-XG-J6C	SQFlash 530 series SATA DOM V 32/64/128 GB MLC 4-CH (0 ~ 70° C)
SQF-SDMM4-XG-J6E	SQFlash 530 series SATA DOM V 32/64/128 GB MLC 4-CH (-40 ~ 85° C)

Note: X stands for different capacities