



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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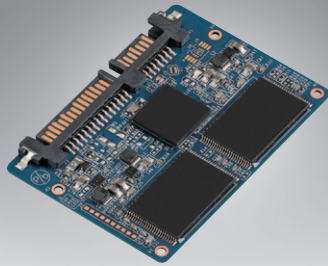
SQF-SLM 630

SATA III (6.0Gb) Half-Slim Module

SQF-S25 820

SATA III (6.0Gb) 2.5" SSD

NEW



RoHS COMPLIANT
CE FCC



Features

- MO-297 Half-Slim SATA Module
- Compliant with SATA III and SATA v 3.0 standard
- Supports 72 bit ECC correct per 1K Byte data
- Low power consumption SATA III storage module
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package
- Supports hardware write protect

Specifications

Connector Type	Standard 7+15-pin SATA connector
Flash type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 32GB Ultra MLC: 8 to 32GB MLC: 4 to 64GB
Transfer Mode	SATA III (6.0 Gbps)
Max. Power Consumption	370 mA
Sustained R/W Performance (*)	SLC and MLC up to 510/150 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)	54.0 x 39.0 x 4.5

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

Ordering Information

PN	Description
SQF-SLMS1-1G-S9C	SQFlash 630 series SATA Slim 1 GB SLC, 1-CH (0 ~ 70° C)
SQF-SLMS1-1G-S9E	SQFlash 630 series SATA Slim 1 GB SLC, 1-CH (-40 ~ 85° C)
SQF-SLMS2-2G-S9C	SQFlash 630 series SATA Slim 2 GB SLC, 2-CH (0 ~ 70° C)
SQF-SLMS2-2G-S9E	SQFlash 630 series SATA Slim 2 GB SLC, 2-CH (-40 ~ 85° C)
SQF-SLMS4-XG-S9C	SQFlash 630 series SATA Slim 4/8/16/32 GB SLC, 4-CH (0 ~ 70° C)
SQF-SLMS4-XG-S9E	SQFlash 630 series SATA Slim 4/8/16/32 GB SLC, 4-CH (-40 ~ 85° C)
SQF-SLMU4-XG-S9C	SQFlash 630 series SATA Slim Ultra MLC, DMA, 8/16/32 GB (0 ~ 70° C)
SQF-SLMU4-XG-S9E	SQFlash 630 series SATA Slim Ultra MLC, DMA, 8/16/32 GB (-40 ~ 85° C)
SQF-SLMM1-4G-S9C	SQFlash 630 series SATA Slim 4 GB MLC, 1-CH (0 ~ 70° C)
SQF-SLMM1-4G-S9E	SQFlash 630 series SATA Slim 4 GB MLC, 1-CH (-40 ~ 85° C)
SQF-SLMM2-8G-S9C	SQFlash 630 series SATA Slim 8 GB MLC, 2-CH (0 ~ 70° C)
SQF-SLMM2-8G-S9E	SQFlash 630 series SATA Slim 8 GB MLC, 2-CH (-40 ~ 85° C)
SQF-SLMM4-XG-S9C	SQFlash 630 series SATA Slim 16/32/64 GB MLC, 4-CH (0 ~ 70° C)
SQF-SLMM4-XG-S9E	SQFlash 630 series SATA Slim 16/32/64 GB MLC, 4-CH (-40 ~ 85° C)

Note: X stands for different capacities



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Features

- Compliant with SATA III and SATA v3.0 standard
- Supports 72 bit ECC correct per 1K Byte data
- Supports Fragment Writing and Flush Manager
- Shock resistance, anti-vibration and Low power consumption
- GUI Management Tool & Software API Package

Specifications

Connector Type	Standard 7+15-pin SATA connector
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 32 to 512GB Ultra MLC: 16 to 512GB MLC: 32GB to 1TB
Transfer Mode	SATA III (6.0 Gbps)
Max. Power Consumption	980 mA
Sustained R/W Performance (*)	SLC and MLC up to 510/400 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
Dimensions (mm)	100.20 x 69.85 x 7

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

Ordering Information

Part No.	Product Description
SQF-S25S8-XG-S8C	SQFlash 820 series 2.5" SSD SLC 32/64/128/256/512G (0 ~ 70° C)
SQF-S25S8-XG-S8E	SQFlash 820 series 2.5" SSD SLC 32/64/128/256/512G (-40 ~ 85° C)
SQF-S25U5-XG-S8C	SQFlash 820 series 2.5" SSD Ultra MLC 40/80/160/320G (0 ~ 70° C)
SQF-S25U5-XG-S8E	SQFlash 820 series 2.5" SSD Ultra MLC 40/80/160G (-40 ~ 85° C)
SQF-S25U8-X-S8C	SQFlash 820 series 2.5" SSD Ultra MLC 16/32/64/128/256/512G (0 ~ 70° C)
SQF-S25U8-X-S8E	SQFlash 820 series 2.5" SSD Ultra MLC 16/32/64/128/256G (-40 ~ 85° C)
SQF-S25M5-XG-S8C	SQFlash 820 series 2.5" SSD MLC 40/80/160G/320G/640G (0 ~ 70° C)
SQF-S25M5-XG-S8E	SQFlash 820 series 2.5" SSD MLC 40/80/160/320G (-40 ~ 85° C)
SQF-S25M8-X-S8C	SQFlash 820 series 2.5" SSD MLC 32/64/128/256/512G/1T (0 ~ 70° C)
SQF-S25M8-X-S8E	SQFlash 820 series 2.5" SSD MLC 32/64/128/256/512G (-40 ~ 85° C)

Note: X stands for different capacities