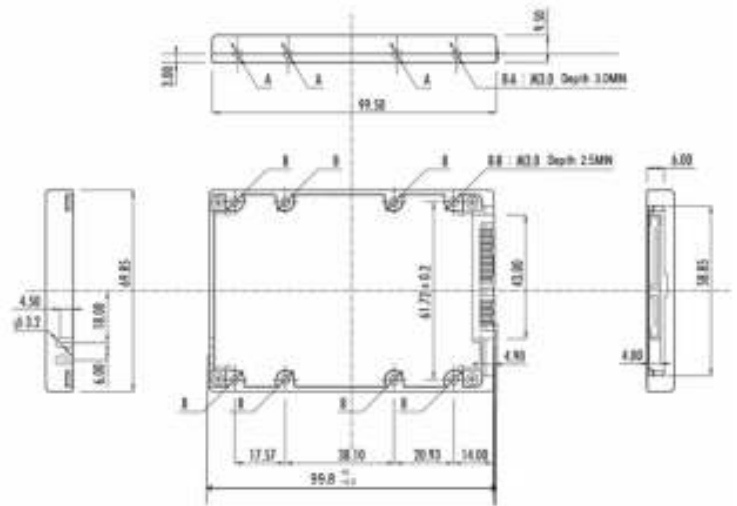


2.5" SATA 3.0Gbps



Product features

- Native SATA2 Interface
- Capacity up to 256GB
- SLC & Q-MLC NAND
- Sudden Power Loss Protection
- Consistent Read/Write Performance
- Reliable across Wide-temp. ranges



(Unit : mm)



SATA 3.0Gbps XFD (Q-MLC)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SATA 3.0Gbps HFD (SLC)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Product Specifications

Flash Type		Q-MLC	SLC
Capacity		8GB ~ 256GB	4GB ~ 128GB
Temperature	0 ~ 70°C	Yes	Yes
	-25 ~ 85°C	Yes	-
	-40 ~ 85°C	-	Yes
Interface		SATA 3.0Gbps	
Power Supply Voltage		5V +/- 10%	
Dimensions (mm)		99.5 x 69.85 x 9.5	
Performance	4GB		R: 130MB/s, W: 50MB/s
	8GB	R: 160MB/s, W: 100MB/s	R: 140MB/s, W: 95MB/s
	16GB	R: 200MB/s, W: 130MB/s	R: 150MB/s, W: 75MB/s
	32GB	R: 200MB/s, W: 140MB/s	R: 160MB/s, W: 120MB/s
	64GB	R: 200MB/s, W: 160MB/s	R: 160MB/s, W: 120MB/s
	128GB	R: 200MB/s, W: 160MB/s	R: 160MB/s, W: 120MB/s
	256GB	R: 200MB/s, W: 170MB/s	

Part Number

		4GB	8GB	16GB	32GB	64GB	128GB	256GB
SLC	0 ~ 70°C	HFD25S-004GB (xxxAx)	HFD25S-008GB (xxxAx)	HFD25S-016GB (xxxAx)	HFD25S-032GB (xxxAx)	HFD25S-064GB (xxxAx)	HFD25S-128GB (xxxAx)	
	-40 ~ 85°C	HFD25S-004GB (xxxAxI)	HFD25S-008GB (xxxAxI)	HFD25S-016GB (xxxAxI)	HFD25S-032GB (xxxAxI)	HFD25S-064GB (xxxAxI)	HFD25S-128GB (xxxAxI)	
Q-MLC	0 ~ 70°C		XFD25S-008GB (xxxAG)	XFD25S-016GB (xxxAG)	XFD25S-032GB (xxxAG)	XFD25S-064GB (xxxAG)	XFD25S-128GB (xxxAG)	XFD25S-256GB (xxxAG)
	-25 ~ 85°C		XFD25S-008GB (xxxAGS)	XFD25S-016GB (xxxAGS)	XFD25S-032GB (xxxAGS)	XFD25S-064GB (xxxAGS)	XFD25S-128GB (xxxAGS)	XFD25S-256GB (xxxAGS)

SLC/Q-MLC/MLC comparison

	SLC	Q-MLC	MLC (not available)
bit/cell	1bit/cell	1bit/cell (MLC)	2bit/cell
Endurance (PE Cycle)	60,000	20,000	2000
Data Retention (<10% PE Cycle)	10 year	5 year	5 year
Designed for	Highest Reliability and Longevity in extreme condition	High Reliability and Performance	High Performance with affordable cost
Cost	\$\$\$	\$\$	\$

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