



Features

- MLC-NAND flash technology
- IP-54 & IP-68 Waterproof metal casing design
- Rugged Metal Casing with screw threads to fix its cap
- Aluminum and electroplated in black
- Capacities from 4GB up to 32GB

Specification

■ Compatibility	USB 2.0
■ Declarations	RoHS & REACH compliant
■ Flash technology	MLC-NAND flash technology
■ Form-factor	Pen drive
■ Host interface	4 pins USB Type A connector
■ Performance	
➤ Data transfer rate	Hi-Speed up to 480 Mbps (60MB/s)
➤ Sequential read	26 MB/sec (Max.)
➤ Sequential write	14.9 MB/sec (Max.)
■ Environmental	
➤ Operating temp.	STD. 0°C~+70°C/W.T. -40°C~+85°C
➤ Non-operating temp.	STD. -20°C~+80°C/W.T. -50°C~+95°C
➤ Humidity	10%~95% non-condensing
➤ Vibration	70 Hz to 2K Hz, 15G, 3 axes
➤ Shock	0.5ms, 1500G, 3 axes
➤ Altitude	70,000 feet
■ OS supported	Windows series O.S.Linux, VxWorks and DOS

■ Power consumption	
➤ Power requirement	5V ± 10% via USB port
➤ Reading mode	95.5 mA (Max.)
➤ Writing mode	99 mA (Max.)
➤ Idle mode	62.8 mA (Max.)
■ Reliability	
➤ Wear-leveling	Static wear-leveling algorithms
➤ TBW	Up to 7.7 TBW at 32GB Capacity (Client workload by JESD-219A)
➤ Erase counts	Up to 3,000 times
➤ ECC	72 bits per 1024 bytes block
■ Physical specification	
➤ Weight (Max.)	22g
➤ Dimension (WxLxH)	15.95 x 54.82 x 15.95 (mm)
■ Conformal coating	Optional
■ Warranty	2 years or within 3,000 erasing counts

Part Number List

Capacity	0°C~+70°C	Capacity	-40°C~+85°C
4GB	SRUFD004G-MPDTM-4SB	4GB	WRUFD004G-MPDTM-4SBC
8GB	SRUFD008G-MPDTM-4SB	8GB	WRUFD008G-MPDTM-4SBC
16GB	SRUFD016G-MPDTM-4SB	16GB	WRUFD016G-MPDTM-4SBC
32GB	SRUFD032G-MPDTM-4SB	32GB	WRUFD032G-MPDTM-4SBC

Part Number Decoder

X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15	X16	X17	X18	X19	X20
W	R	U	F	D	0	3	2	G	-	M	P	D	T	M	-	4	S	B	C

Example

W	R	U	F	D	0	3	2	G	-	M	P	D	T	M	-	4	S	B	C
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X1 Grade

S : Standard grade operating temp. 0°C~+70°C
 W : Wide temp. grade operating temp. -40°C~+85°C

X2 The material of casing

R : Rugged metal casing

X3 X4 X5 Product category

UFD : USB Flash Disk

X6 X7 X8 X9 Capacity

004G : 4GB 016G : 16GB
 008G : 8GB 032G : 32GB

X11 Controller

M : HERCULES Series

X12 X13 Controller version

A, B, C, D.....PD

X14 Flash IC brand

T : Toshiba NAND flash IC

X15 Flash IC type

M : MLC-NAND flash IC

X17 X18 X19 Housing Generation

4SB : Generation 4 housing , Screw Thread Black

X20 Reserved for specific requirements

C : Conformal coating (optional)