

# microSD Memory Card

High speed random access SD Card S Series Fixed-Main-Parts SD Card K Series



Developed for implementation in industrial devices. The microSD cards have a graspable product lifetime.

#### Product features

#### High speed random access

Writing efficiency for small size data is increased, and random access becomes greatly faster.

#### • Enhanced Electrical Shut Down Durability

Even if control information were to be damaged from a power shut down, the backed up control informat ion will self-repair the logical and physical conversion table by re-building the memory control information so the device will boot up.

#### Speed Stability

The S Series, the memory management method is specialized for Random Access , which guarantees consistent performance even after extensive use.

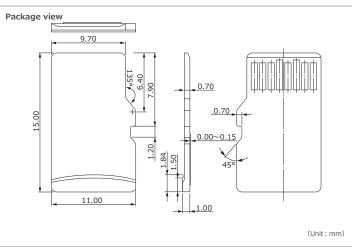
#### • Lifespan Diagnosis Support

We have developed a lifespan diagnostic tool dedicated to SD memory cards which allows our customers to check the state of the SD memory card in their environment setting.

\*Only available for the Windows operating system.

Our exclusive reader/writer is required for lifespan diagnos-is.





Exclusive Card Reader for Lifespan Diagnosi
Prod uct M odel C ode: HPC-SDR1AD











Product Specific		S series	K series				
Fla	SLC	Q-MLC	MLC	SLC	MLC		
(	1GB∼8GB	4GB∼32GB	8GB~64GB	128MB,512MB~2GB	2GB~32GB		
i	SD 3.0						
Power SI	2.7V~3.6V						
Operating temperature	Wide temperature	-40℃~85℃	-25℃	~85℃	-25℃~85℃		
Storag	-40℃~85℃						
Opera	~95% (non condensing)						
Stora	~95% (non condensing)						
Dimer	11 × 15 × 1						
Performance	Sequential read (MB/s)	[UHS-1] 30	[UHS-1] 80	[UHS-1] 86	20	[UHS-1] 85	
	Sequential write (MB/s)	[UHS-1] 27	[UHS-1] 72	[UHS-1] 76	18	[UHS-1] 43	
	Random read (IOPS)	-	-	-	-	-	
	Random write (IOPS)	-	-	-	-	-	
Current consumption (mA)	Read (Max)	90	135	190	60	105	
	Write (Max)	120	125	150	90	115	
War		1year					

#### **Product lineup**

S series		128MB	512MB	1GB	2GB	4GB	8GB	16GB	32GB	64GB
SLC	-40∼85℃	-	-	MSD6-001GS (***SDI	MSD6-002GS (***SDI	MSDB-004GS (***SDI	MSDB-008GS (***SDI	-	-	-
Q-MLC	-25∼85℃	-	-	-	-	MSDB-004GS (N**QZS	MSDB-008GS (N**QZS	MSDB-016GS (N**QZS	MSDB-032GS (N**QZS	-
MLC	-25∼85℃	-	-	-	-	-	MSDB-008GS (N**MZS	MSDB-016GS (N**MZS	MSDB-032GS (N**MZS	MSDB-064GS (N**MZS
K series		128MB	512MB	1GB	2GB	4GB	8GB	16GB	32GB	64GB
SLC	-25∼85℃	MSD2-128MK (L**SEI	MSD6-512MK (L**SEI	MSD6-001GK (L**SEI	MSD6-002GK (L**SEI	-	-	-	-	-
MLC	-25∼85℃	-	-	-	MSD6-002GK (L**MHI	MSDB-004GK (L**MHI	MSDB-008GK (L**MHI	MSDB-016GK (L**MHI	MSDB-032GK (L**MHI	-

<sup>\*</sup> management number

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