





# MME Series

microSDHC Card, Industrial Mid. MLC Model

■ **Product Outline**

ME series are microSDHC cards adopting built-in consumer MLC type NAND flash memory and suitable for semi industrial applications. They are adequate for industrial and rather cost-sensitive consumer applications. They are formatted complying with SD card specification.

■ **Product Specification** (specifications and appearances may be changed without notice.)

		4GB	8GB	16GB	32GB
<b>Appearance *1)</b>					
<b>Part Number</b>		<b>RP-SMME04</b>	<b>RP-SMME08</b>	<b>RP-SMME16</b>	<b>RP-SMME32</b>
Capacity	Available user data area capacity *2)	3,971,973,120 byte	7,960,756,224 byte	16,001,236,992 byte	32,077,479,936 byte
Compliant Specification	SD Physical Specification	Ver. 3.01			
	SD speed class	CLASS④			
	UHS speed grade	not supported			
	Speed mode	High Speed, Default Speed			
Backside mark	Control Code	-			
Read/Write Performance ( up to )	Read	20MB/s (High Speed)	20MB/s (High Speed)	20MB/s (High Speed)	20MB/s (High Speed)
	Write	9MB/s (High Speed)	9MB/s (High Speed)	9MB/s (High Speed)	9MB/s (High Speed)
Absolute Maximum Ratings	Supply Voltage	Min: -0.3V Max:4.6V			
	Input Voltage	Min: -0.3V Max:VDD+0.3V			
	Output Voltage	Min: -0.3V Max:VDD+0.3V			
	Output Current	Min: -24mA Max:24mA			
Environmental Specification	Operating Temperature	-25 degree C to 85 degree C			
	Storage Temperature	-25 degree C to 85 degree C			
	Humidity	5 % to 95 %			
	Vibration	15 Gp-p			
	Shock	1000 G			
	Mating Cycles	10,000 cycles			

\*1) Card appearances are tentative.

\*2) Free area capacity after formatted.

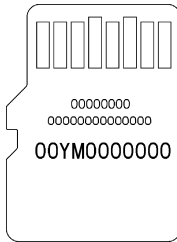
Absolute maximum ratings are the values of limitation, which do not damage cards. Also those values do not define operational range.

Products comply with EU RoHS directives.

## ■ Appearance (example; 4GB)



“4GB” Card Capacity  
“MADE IN TAIWAN” Country of origin



“00YM0000000” Serial Number  
Y Last digit of Manufacture year  
M Manufacture month (January->A, February->B, )  
“000000000”, “0000000000000000” Internal control code

## ■ System Reliability

- a. Error detect and corrective function
- b. Static wear leveling
- c. Bad block management
- d. Pair Page Management
- e. Auto Refresh

## ■ Notice and Caution

The products are intended for the general use for the standard electric machinery (office machinery, communication machinery, measurement instruments or industrial use products).

If you think about the usage for which special quality or reliability of the products is needed and failure or malfunction of the products may directly threaten life or injury for the special usage (aeronautic or cosmic usage, military usage, combustion machine, life support applications or safety applications), please counsel with our contacts in advance.

Write frequency and storage temperature will affect data retention time. Please make a backup for important data.

## ■ Warranty

If the product cannot be used because of failure which is determined as defect in design or in production of the product, it is replaced by same product or equivalent one within 12 months from the production date of product.