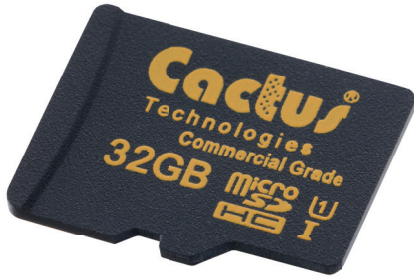


Secure Digital® microSD Card (SD) 240M Series



The Cactus Technologies Secure Digital microSD Card (SD) - 240M Series is a solid-state flash memory product that complies with the Secure Digital Card Association (SDA) standard. Cactus 240M microSD Cards provide up to 32GB (Class 10) of formatted storage capacity and are designed to be used in applications which require reliable, high performance solid state storage in a small form factor.

CACTUS MICROSD FEATURES

- **INDUSTRY STANDARD MICROSD CARD VERSION UP TO 3.01**
- **CARD CAPACITIES**
 - 8GB to 32GB
- **INTERFACE SUPPORTS**
 - SD Interface
 - SPI Mode
 - Class 10 Performance
 - UHS-1 SDR50 High Speed Bus Modes
- **VOLTAGE RANGE**
 - 2.7V to 3.6V
- **BASED ON MLC NAND FLASH**
- **TRACEABILITY ELECTRONIC CODE**
- **SOLID STATE DESIGN WITH NO MOVING PARTS**
- **INDUSTRY LEADING**
 - Data Reliability
 - Shock & Vibration
 - Data Transfer Rates
- **ZERO DB NOISE**
- **2-YEAR WARRANTY**



PERFORMANCE

Read Data Transfer Rate

up to 85MB/sec

Write Data Transfer Rate

up to 50MB/sec



RELIABILITY

- Supports Wear Leveling
- Error Checking & Correction
- Less Than 1 Error in 10¹⁵ Bits Read
- MTBF 200,000 Hours



ENVIRONMENTAL & POWER

Operating Temperature Range

Standard

-25°C to +85°C

Extended

Contact Cactus



POWER CONSUMPTION

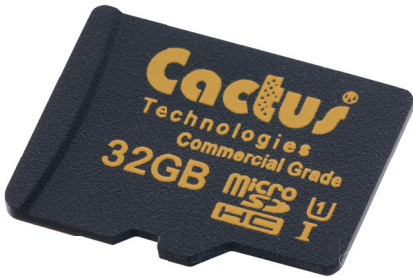
	3.3V ± 10%
Read	85mA
Write	110mA
Sleep	1mA



SHOCK & VIBRATION

Shock	50G
Vibration	15G peak-to-peak

CACTUS TECHNOLOGIES
 Secure Digital® microSD (SD)
240M Series



COMMERCIAL GRADE MICROSD CARD

→ INTERFACE	microSD Card Versions up to 3.01	
→ INTERFACE TRANSFER RATE	UHS-1 SDR50 (50MB/sec)	
→ POWER REQUIREMENT	DC Input Voltage	3.3V ± 10%
	Sleep	1mA
	Read	85mA
→ ENVIRONMENTAL SPECIFICATION	Write	110mA
	Standard Temperature	-25°C to +85°C
	Extended Temperature	Contact Cactus
	Humidity	8-95%, non-condensing
	Acoustic Noise	0dB
	Vibration	15G peak to peak max.
→ RELIABILITY AND MAINTENANCE	Shock	50G max.
	Altitude	100,000 feet max.
	Endurance	100,000 erase cycles per block
→ CARD CAPACITY	MTBF	200,000 Hours
	Data Reliability	less than 1 Error in 10 ¹⁵ bits read
→ CARD CAPACITY	8GB to 32GB	



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