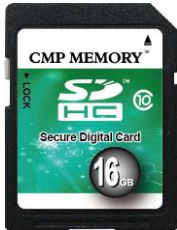


MEMORY CARDS

Commercial 3.0 Secure Digital Card



- Comply to the Secure Digital Association / SDA standard
- MLC NAND Flash technology
- Capacity, 4GB ~ 64GB Class 10
- Temperature range -25°C or -40°C ~ 85°C
- Conforms to ISO7816-1 UV Guard & X-Ray Proof
- Extreme rugged, vibration, water and shock resistant
- Faster speed with UHS-1 for extreme performance
- Made in Taiwan - Fixed BOM available

Technical data:

Electrical & performance:

Interface: 9-pin. Supports both version 2.0 & 3.0
 Operating frequency: 50MHz
 DC input voltage: 2.7-3.6VDC
 Power consumption: 110mA (typical)
 Transfer rate: Read 22MB/s and write 12MB/s

Environmental:

Temperature range: -25°C ~ +85°C or -40°C ~ +85°C
 Storage temperature: -40°C ~ +85°C
 Humidity: 10% ~ 95%, non-condensing
 Vibration: 5G (10-500Hz), 20G (60-2000Hz)
 Shock: 1500G (0.5ms)
 ESD proof: Yes, +/-4kV
 Acoustic noise: 0dB
 IP class: IPX7

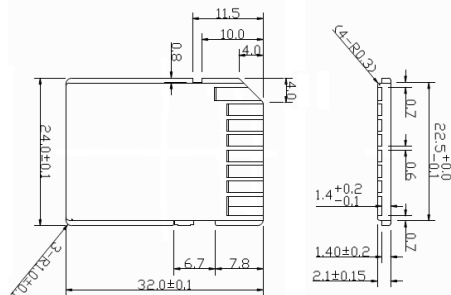
Reliability:

Endurance: >2.000.000 cycles
 Program/Erase cycles: MLC: 3.000 times
 Data retention: 10 years
 Number of Insertion reliability: 10.000 times
 MTBF: 3.000.000 hours

Mechanical & Certificates:

Size: 32x24x2.1mm
 Weight: 2g (SD card only), 7g packed in small minicase
 Certificate: CE/FCC/RoHS/BSMI

Dimensions:



Ordering information:

Standard temp (-25°C)	Extended (-40°C)	Capacity
SD3PH004GE0-PM	SD3PH004GW0-PM	4GB
SD3PH008GE0-PM	SD3PH008GW0-PM	8GB
SD3PH016GE0-PM	SD3PH016GW0-PM	16GB
SD3PH032GE0-PM	SD3PH032GW0-PM	32GB
SD3PH064GE0-PM	SD3PH064GW0-PM	64GB