



ATP UHS-I microSDHC, A1, U1 Memory Card

Datasheet

Version 1.1

P/N

ATPEMSD08M001-I



ATP UHS-I microSDHC, A1, U1 Memory Card

Product Summary/Features

- Capacities:
 - 8GB
- Form Factors:
 - microSD
- SDR104 Speed Mode performance:
 - Sequential Read: Up to 97 MB/s
 - Sequential Write: Up to 22 MB/s
 - Random 4K Read: Up to 16 MB/s
 - Random 4K Write: Up to 5 MB/s
- Compliant with SD Specification version 3.01
- SIP (System In Package) process
- Support
 - BCH ECC engine
 - CPRM
 - Read Disturb Protector – AutoRefresh technology to ensure data integrity especially in frequent read operations.
 - Enhanced endurance by Advanced Static/Dynamic Wear-Leveling
- Power Management
 - Support dual voltage 3.3V and 1.8V I/O
- Enhanced F/W algorithm to minimize the risk of a sudden power-off
- Temperature, Case (T_c)
 - Operating:
 - C-Temp.: -25°C to 85°
 - Non-Operating: -55°C to 90°C
- Reliability
 - MTBF: 2M hours
 - Data Retention (@55°C): 5 Years (with 10% P/E Cycles)
 - Waterproof: IPX7
 - Dust proof: IP5X
 - ESD resistant: IEC 61000-4-2
- Endurance (TBW in Sequential Write)
 - 8GB: 24 TB
- Certifications, Declarations
 - CE
 - FCC
 - UKCA
- Product Ecological Compliance
 - RoHS
 - REACH
- Customized Service
 - Adjustable CID registers
 - Logo printing (by project)

For a detailed datasheet please contact the EBV sales team