

MEMTEC Corporation – CASSETTE TAPE DRIVE Model 250BH

PROVIDING SOLUTIONS

Memtec has proven itself as a top designer and manufacturer of innovative data acquisition storage solutions and specialty data recording products for medical, military, aerospace, and industrial markets worldwide.

EXPERTISE YOU CAN TRUST

Memtec has provided customer satisfaction in designing, manufacturing, and compliance management since 1962.

THE LATEST TECHNOLOGY

Memtec prides itself on providing creative solutions and staying abreast of all that technology has to offer, from the slimmest power sources to the best in wireless technology. Our many patents are testimony to our creativity.

PROVIDING QUALITY

Memtec prides itself upon the zero defect approach to manufacturing. Using charting techniques, empowering the employees and rigid testing have allowed Memtec to produce high quality products without increasing costs.



KEY FEATURES

- Radiation Hardened
- -40C to +70C Operation
- Meets MIL-E-5400
- 15G Shock Protected

APPLICATIONS

- Global Positioning
- Radar
- Aerial Surveying
- Oil Exploration

Designed to meet the strict criteria of MIL-E-5400 Helicopter Environment for vibration, shock, and crash safety. The MEMTEC 250BH family of digital cassette tape drives provides the most cost-effective data-storage method that functions in hostile environments. When used with MEMTEC's DC-30HL hostile environment cassette, the 250BH can operate from -40C to +70°C. Further it withstands shock of 15g and vibration in accordance with MIL-E-5400, Curve III. The 250BH-1 is a lower-power version of the 2508H. Using MEMTEC's patented clock-tracking system, the 250BH family has only two moving parts. The result is an MTBF of 7500 hours over the full MIL-E-5400 temperature range. The MTTR is less than 60 minutes. The 250BH has been used in such demanding applications as data logging in F16 fighter planes and helicopters, oil exploration in the Alaskan wilderness, and it even been on the space shuttle. If you need a rugged data-storage device that stands up to hostile environments, then choose the MEMTEC 250BH or 250BH-1.

**MEMTEC Corporation 68 Stiles Road Unit D, Salem, NH 03079
(603) 893-8080 - Fax (603) 893-8699 - sales@memteccorp.com**

SPECIFICATIONS: MEMTEC MODEL 250BH CASSETTE TAPE DRIVE

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FUNCTIONAL

Media	Philips compatible cassettes, 300 feet (DC-30HL) with prerecorded clock track, withstand hostile environment.
Bit Density	Maximum 800 BPI
Formatted Capacity	315 bytes (282feet tape,800 BPI, 1K byte records)
Transfer Rate	8,000-32,000 BPS (Baud)
Tape Motion	A two motor reel-to-reel type drive moves the tape. The closed loop servo system uses a clock tract to controls the tape speed.
Tape Speed	10-80 IPS controlled
Normal Operating Range	Read or Write, 10-40 IPS
Search Speed	40 IPS
Speed Variation	+/- 1% IPS, 50 msec / +/- 3% IPS, 30 msec
Creep	Unit holds tape motionless with power applied
Head Type	A two track head using one read-after –write head for data and a read head for speed control.
Reliability	MTBF: 7500 hours / MTTR: less than 60 minutes
Interface Options	Hostile environment Parallel and Serial interface boards are available. MIL MM 44 Series mating connectors included.

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