DESCRIPTION

PMI MODEL: LM-910D5-100W-1KWP-SFM IS AN RF LIMITER THAT OPERATES IN THE FREQUENCY RANGE OF 9 TO 10.5 GHz. THIS LIMITER CAN HANDLE 100W CW FOR ALL TEMPERATURES (-55°C TO +85°C) AND 1KW PEAK (1% DUTY CYCLE, 1 USEC PULSE WIDTH) ENERGY INPUT, AND PROVIDES MAXIMUM LEAKAGE OF +17 dBm. THIS MODEL HAS A LOW INSERTION LOSS OF 2.0 dB AND A TYPICAL RECOVERY TIME OF 100ns.

SPECIFICATIONS

- FREQUENCY RANGE: 9 TO 10.5 GHz
- INSERTION LOSS: 2 dB MAXIMUM
- INPUT/OUTPUT VSWR: 2.0:1 MAXIMUM (AT -10 dBm INPUT)
- IMPEDANCE: 50 OHMS
- INPUT POWER: 100 WATTS CW MAXIMUM
  - ALL TEMPERATURES (-55°C TO +85°C)
  - 1KW PEAK (1% DUTY CYCLE, 1 USEC PULSE WIDTH)
  - 100W PEAK (10% DUTY CYCLE, 10 USEC PULSE WIDTH)
- MAXIMUM FLAT LEAKAGE: 17 dBm MAXIMUM AT 100W CW
- P1dB: 5 dBm MINIMUM
- RECOVERY TIME: 100 ns TYPICAL
- FINISH: BLUE

ENVIRONMENTAL RATING

JAW MIL-E-5400, CLASS 2 EQUIPMENT

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
  -62 °C TO +95 °C (STORAGE)
- VIBRATION: 0.1 inchpp OR ±10G, 5 ~ 500 Hz
  (FIGURE 2, SHEET 1 OF 3, CURVE IV)
- SHOCK: 15G, 11±1 ms
- HUMIDITY: 100%
- ALTITUDE: 70,000 FT

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE.
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION.

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