DESCRIPTION

THE PMI MODEL LM-10M14G-100CW-1KWP-SFF IS AN RF LIMITER THAT WORKS IN THE RANGE OF FREQUENCIES FROM 10MHz TO 14GHz. THIS LIMITER CAN HANDLE 100W CW OVER 10MHz TO 14GHz, FOR ALL TEMPERATURES (-55 °C TO +85 °C) AND 1KW PEAK (10% WORK CYCLE, 10USEC MAXIMUM PULSE WIDTH) ENERGY INPUT AND PROVIDES MAXIMUM LEAKAGE OF +17DBM MAX. THIS MODEL HAS A LOW LOSS OF INSERTION OF 2.0DB AND A RECOVERY TIME OF 100NSEC TYPICAL.

SPECIFICATIONS

- FREQUENCY RANGE: 10 MHz TO 14GHz
- INSERTION LOSS: 2 dB TYPICAL
- INPUT/OUTPUT VSWR: 2.0 : 1 MAXIMUM (AT -10dBm INPUT)
- IMPEDANCE: 50 OHMS
- INPUT POWER: 100 WATTS CW MAXIMUM (10MHz TO 14GHz)
  ALL TEMPERATURES (-55 °C TO +85 °C)
  1KW PEAK (1% DUTY CYCLE, 1USEC PULSE WIDTH)
  100W PEAK (10% DUTY CYCLE, 10USEC PULSE WIDTH)
- MAXIMUM FLAT LEAKAGE: 17 dBm MAXIMUM AT 100W CW
- P1dB: 5dBm MINIMUM
- RECOVERY TIME: 100ns TYPICAL
- FINISH: BLUE

MECHANICAL OUTLINE

ENVIRONMENTAL RATINGS

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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