DESCRIPTION

PMI MODEL: LM-1G2G-4CW-1KWP-SMF-OPT10M6G IS A RF LIMITER THAT OPERATES OVER THE 0.01 GHz TO 6.0 GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 4 W CW AND 1 kW PEAK (1% DUTY CYCLE, 1 µs MAXIMUM PULSE WIDTH) INPUT POWER AND PROVIDES A MAXIMUM LEAKAGE OF +16 dBm (40 mW). THIS MODEL HAS A LOW INSERTION LOSS OF 2.0 dB AND A RECOVERY TIME OF 1 µs MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 0.01 GHz TO 6.0 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM
- INPUT/OUTPUT VSWR: 2.0:1 MAX @ -10 dBm INPUT
- IMPEDANCE: 50 Ω
- INPUT POWER: 4 W CW MIN
- MAXIMUM FLAT LEAKAGE: 16 dBm (40 mW) MAXIMUM
- LIMITING THRESHOLD: 5 dBm MIN, 1 dB COMPRESSION
- RECOVERY TIME: 1 µs MAXIMUM
- CONNECTORS: INPUT: SMA MALE
- OUTPUT: SMA FEMALE
- SIZE: 1.00" x 0.75" x 0.38" 25.40 mm x 19.05 mm x 9.65 mm (EXCLUDING CONNECTORS)
- FINISH: GOLD PLATED

* - EXTERNAL DC BLOCKS ARE REQUIRED FOR PROPER FUNCTION.

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
- STABILIZATION BAKE: -65 °C TO +95 °C (STORAGE)
- THERMAL CYCLE: MIL-STD-883, METHOD 1008, COND. B
- VIBRATION: DISPLACEMENT (DOUBLE AMPLITUDE): 5 mm p-p; 2~7 Hz ACCELERATION LEVEL (PEAK): ±0.5 g; 7~50 Hz
- SHOCK: 15 G, 11 ±1 ms
- RELATIVE HUMIDITY: 100%
- ALTITUDE: 70000 ft

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

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