DESCRIPTION
PMI MODEL: LM-1G2G-4CW-1KWP-SMF-OPT2G4G IS A RF LIMITER THAT OPERATES OVER THE 2.0 TO 4.0 GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 40 W CW INPUT POWER AND PROVIDES A MAXIMUM LEAKAGE OF +30 dBm (1W). THIS MODEL HAS A LOW INSERTION LOSS OF 1.2 dB.

SPECIFICATIONS
- FREQUENCY RANGE: ----------- 2.0 TO 4.0 GHz
- INSERTION LOSS: -------------- 1.2 dB MAXIMUM
- INPUT/OUTPUT VSWR: ------------ 20:1 MAX @ -10 dBm INPUT
- IMPEDANCE: ------------------ 50 Ω
- INPUT POWER: --------------- 40 W CW (46 dBm)
- MAXIMUM FLAT LEAKAGE: ------- +30 dBm (1 W)
- MAXIMUM LIMITING THRESHOLD: --- 45 dBm, 30% duty cycle
- CONNECTORS: ----------------- INPUT: SMA MALE
- OUTPUT: SMA FEMALE
- SIZE: ------------------------- 1.00" x 0.75" x 0.38"
- (EXCLUDING CONNECTORS)
- FINISH: ---------------------- GOLD PLATED

ENVIRONMENTAL RATINGS
- TEMPERATURE: ----------------- -55 °C TO +85 °C (OPERATING)
- -65 °C TO +95 °C (STORAGE)
- STABILIZATION BAKE: ---------- MIL-STD-883, METHOD 1008, COND. B
- THERMAL CYCLE: ------------- MIL-STD-883, METHOD 1010, COND. B
- VIBRATION: ------------------- 0.1 in/chp or ±10 G, 5 - 500 Hz (MIL-E-5400R FIG 2, CURVE IV)
- SHOCK: ----------------------- 15 G, 11 ±1 ms
- RELATIVE HUMIDITY: ---------- 100%
- ALTITUDE: ------------------- 70000 ft

* - EXTERNAL DC BLOCKS ARE REQUIRED FOR PROPER FUNCTION.

MECHANICAL OUTLINE

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ISO 9001 CERTIFIED

PRODUCENT FEATURE
LM-1G2G-4CW-1KWP-SMF-OPT2G4G

PMI CONFIDENTIAL AND PROPRIETARY