DESCRIPTION
PMI MODEL: LM-1G2G-4CW-1KWP-SMF IS A RF LIMITER THAT OPERATES OVER THE 1 GHz TO 2 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 0.7 dB AND A RECOVERY TIME OF 1 µs MAXIMUM.

SPECIFICATIONS
- **FREQUENCY RANGE:** 1 GHz TO 2 GHz
- **INSERTION LOSS:** 0.7 dB MAXIMUM
- **INPUT/OUTPUT VSWR:** 2:1 MAX @ -10 dBm INPUT
- **IMPEDANCE:** 50 Ω
- **INPUT POWER:** 4 W CW MIN
  1 kW PEAK (1% DUTY CYCLE, 1 µs MAX PULSE WIDTH)
- **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)
  -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:** DISPLACEMENT (DOUBLE AMPLITUDE): 5 mm p-p; 2–7 Hz
  ACCELERATION LEVEL (PEAK): ±0.5 G; 7–50 Hz
- **VIBRATION:** DISPLACEMENT (DOUBLE AMPLITUDE): 10 mm p-p @ 2–10 Hz
  & 5 mm p-p @ 5–10 Hz
- **SHOCK:** 15 G, 11 ±1 ms
- **RELATIVE HUMIDITY:** 100%
- **ALTITUDE:** 7000 ft

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

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