DESCRIPTION

PMI MODEL: LM-150M5G-200CW-2KWPK-AGAL-SMT IS A ULTRA HIGH POWER LIMITER OPERATING IN THE FREQUENCY RANGE 150 MHz TO 5 GHz, WITH 200W OF CW POWER HANDLING (+53 dBm), AND PEAK POWER 2KW TYPICALLY (+63 dBm), 25µs PW, 5% DUTY CYCLE.

SPECIFICATIONS

- **FREQUENCY RANGE**: 150 MHz to 5 GHz
- **POWER HANDLING**: 200 Watts CW (+53 dBm) Typ. *Note 1
  2KW Peak Power (+63 dBm) Typ. *Note 2
  (25 µs PW, 5% Duty Cycle)
- **INSERTION LOSS**: 2.00 dB Max. (150MHz to 300 MHz)
  1.50 dB Max. (300MHz to 5 GHz)
- **VSWR (IN/OUT)**: 1.70:1 Max.
- **FLAT LEAKAGE POWER**: +20 dBm Typ.
- **P1dB**: +6 dBm Min.
- **RECOVERY TIME**: 100 ns Max.
- **CONNECTORS**: 0.015” Diameter RF Pins
- **PACKAGE SIZE**: 0.315” x 0.20” x 0.10” (8mm x 5mm x 2.5mm)
- **PACKAGE FINISH**: Gold

* NOTE 1: Tested up to 100 Watts CW from 150 MHz to 5 GHz, (Theoretically it can handle 200 Watts CW Typically From 150MHz to 5GHz)

* NOTE 2: Tested Pulse Peak Power From 150 MHz to 5 GHz, (Theoretically it can handle 2KW Peak Power Typically 25µs PW, 5% Duty Cycle for Frequency Range 150MHz to 5GHz

ENVIRONMENTAL RATINGS

- **TEMPERATURE**: -40 °C TO +85 °C (OPERATING)
  -55 °C TO +125 °C (STORAGE)
- **HUMIDITY**: MIL-STD-202, METHOD 103B COND. B
- **SHOCK**: MIL-STD-202, METHOD 213B COND. B
- **VIBRATION**: MIL-STD-202, METHOD 204D COND. B
- **ALTITUDE**: MIL-STD-202, METHOD 105C COND. B
- **TEMPERATURE CYCLE**: MIL-STD-202, METHOD 107D COND. A
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MECHANICAL OUTLINE

ENVIRONMENTAL RATINGS
- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
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- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
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ISO 9001 CERTIFIED

PRODUCT FEATURE
LM-150M5G-200CW-2KWPK-AGAL-SMT
150 MHz to 5 GHz 200W CW Power Limiter

PMI CONFIDENTIAL AND PROPRIETARY