DESCRIPTION
PMI MODEL: LM-10M50G-20DBM-1W-24FF IS A LIMITER PASSIVE HAS BEEN DESIGNED FOR MINIMAL INSERTION LOSS THAT OPERATES OVER THE 10MHz TO 50.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 1 WATTS CW AND 4 WATTS PULSE PEAK WITH 1µS PW, 1% DUTY CYCLE, THIS LIMITER USES 2.40 FEMALE CONNECTORS.

SPECIFICATIONS
- FREQUENCY RANGE: 10MHz TO 50.0 GHz
- POWER HANDLING: 1.5 Watts CW Max. (20MHz to 12 GHz) (*See Note 1)
  1.0 Watt CW Max. (18 GHz)
- PEAK INPUT POWER: 10 Watts Peak Max (20MHz to 1GHz) (*See Note 2)
  6 Watts Peak Max. (4 GHz to 8GHz)
  4 Watts Peak Max. (12GHz to 18 GHz)
  (Pw 1µs, 1% Duty Cycle)
- RECOVERY TIME: 100 ns Max.
- INSERTION LOSS @-10 dBm Input Power: 10MHz to 18 GHz = 1.50 dB Max.
  18 to 40 GHz = 2.30 dB Max.
  40 to 50 GHz = 2.50 dB Max
- VSWR In/Out @-10 dBm Input Power: 2.0:1 Max.
- FLAT LEAKAGE POWER: +22 dBm Typ.
- P1dB: +16 dBm Typ.
- CONNECTORS: 2.40 FEMALE.
- FINISH: GOLD PLATED

* NOTE 1: 1.5 Watts from 20MHz to 12GHz, 1Watt at 18GHz, +20dBm to 40GHz (May Limit for High Power), May Handle +20dBm or more to 50GHz But no Test Equipment is available.
* NOTE 2: No Peak Power testing was performed beyond 18GHz, Theoretically the limiter should handle 4 Watts Typically 1µs PW, 1% Duty Cycle for Frequency Range 18GHz to 50GHz

ENVIRONMENTAL RATINGS
- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
  -65 °C TO +125 °C (NON-OPERATING)
- 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 CYCLING: MIL-STD-202, METHOD 107A COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY
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HOUSING WITH CARRIER

All dimensions are in inch [mm]
Tolerances:
XX ± 0.020 [0.508]
XXX ± 0.010 [0.254]

MECHANICAL OUTLINE

HOUSING WITHOUT CARRIER (SURFACE MOUNT)

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