PMI MODEL: LM-10M40G-15DBM-4W-AGAL IS A LIMITER PASSIVE HAS BEEN DESIGNED FOR MINIMAL INSERTION LOSS THAT OPERATES OVER THE 10MHz TO 40.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 5 WATTS CW (20MHz - 12GHz), 4 WATTS (18 GHz) AND 25 WATTS PULSE PEAK (20MHz - 12GHz), 20WATTS (18GHz) WITH 1μS PW, 1% DUTY CYCLE, THIS LIMITER USES 2.92 FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 10MHz TO 40.0 GHz
- POWER HANDLING: 5 Watts CW Max. (20MHz to 12 GHz) (*See Note 1)
  4 Watts CW Max. (18 GHz)
- PEAK INPUT POWER: 25 Watts Peak Max (20MHz to 12GHz) (*See Note 2)
  20 Watts Peak Max. (18GHz)
  (1μs Pw, 1% Duty Cycle)
- RECOVERY TIME: 100 ns Max.
- INSERTION LOSS @ -10 dBm Input Power: 10MHz to 8 GHz = 1.00 dB Max.
  8 to 18 GHz = 1.50 dB Max.
  18 to 40 GHz = 3.20 dB Max
- VSWR In/ Out @ -10 dBm Input Power: 2.0:1 Max.
- FLAT LEAKAGE POWER: 20MHz to 1GHz = +22 dBm Max.
  1 to 4 GHz = +20 dBm Max.
  4 to 8 GHz = +18 dBm Max.
  8 to 12 GHz = +15 dBm Max.
  12 to 16 GHz = +13 dBm Max.
  20 to 28 GHz = +13 dBm Max.
  28 to 32 GHz = +12 dBm Max.
  32 to 40 GHz = +12 dBm Max.
- P1dB: +7 dBm Min.
- CONNECTORS: 2.92 FEMALE.
- FINISH GOLD PLATED

* NOTE 1: 5 Watts from 20MHz to 12GHz, 4 Watts at 18GHz, +20dBm to 40GHz (Theoretically it can handle 4 Watts Typical up to 40GHz)
* NOTE 2: No Peak Power testing was performed beyond 18GHz, Theoretically the limiter should handle 20 Watts Typically 1μs PW, 1% Duty Cycle for Frequency Range 18GHz to 40GHz

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
DESCRIPTION

PMI MODEL: LM-10M40G-15DBM-4W-AGAL, IS A LIMITER PASSIVE HAS BEEN DESIGNED FOR MINIMAL INSERTION LOSS THAT OPERATES OVER THE 10MHz TO 40.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 5 WATTS CW (20MHz - 12GHz), 4 WATTS (18 GHz) AND 25 WATTS PULSE PEAK (20MHz - 12GHz), 20WATTS (18GHz) WITH 1μS PW, 1% DUTY CYCLE, THIS LIMITER USES 2.92 FEMALE CONNECTORS.

HOUSING WITH CARRIER

MECHANICAL OUTLINE

HOUSING WITHOUT CARRIER (SURFACE MOUNT)

ALL DIMENSIONS ARE IN INCH [mm]
TOLERANCES:
X.XXX ± 0.020 [0.508]
X.XXX ± 0.010 [0.254]

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ISO 9001 CERTIFIED

PRODUCT FEATURE
LM-10M40G-15DBM-4W-AGAL
10MHz to 40.0 GHz High Power Limiter

PMI CONFIDENTIAL AND PROPRIETARY