DESCRIPTION

PMI MODEL: LM-10M50G-18DBM-4W-24FF IS A HIGH POWER LIMITER THAT OPERATES OVER THE 10MHz TO 50.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 4 WATTS CW & 20 WATTS PEAK, PULSE WIDTH 1µS TO 10µs, 1% DUTY CYCLE, THIS LIMITER USES 2.40 FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 10MHz TO 50.0 GHz
- POWER HANDLING: 4 Watts CW Max. (*See Note 1)
- PEAK INPUT POWER: 20 Watts Max. (*See Note 2)
- RECOVERY TIME: 100 ns Typ.
- INSERTION LOSS @ -10 dBm Input Power: 2.0:1 Max.
- FLAT LEAKAGE POWER: +18 dBm Typ.
- CONDUCTORS: 2.40 FEMALE.
- FINISH: GOLD PLATED

* Note 1:
4 Watts at 18GHz, 5Watts to 12GHz, +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 15 Watts Typically 1µs PW, 1% Duty Cycle for Frequency Range 18GHz to 50GHz

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
- HUMIDITY: -65 °C TO +125 °C (NON-OPERATING)
- SHOCK: MIL-STD-202, METHOD 103B Cond. B
- VIBRATION: MIL-STD-202, METHOD 204D Cond. B
- TEMPERATURE CYCLING: MIL-STD-202, METHOD 107A Cond. A

MECHANICAL OUTLINE

HOUSING WITH CARRIER

HOUSING WITHOUT CARRIER (SURFACE MOUNT)

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PRODUCT FEATURE
LM-10M50G-18DBM-4W-24FF
10MHz to 50.0 GHz High Power Limiter

PMI CONFIDENTIAL AND PROPRIETARY