DESCRIPTION

PMI MODEL: LM-1R2G1R4G-20-100W-SM IS A LIMITER THAT OPERATES OVER THE 1.2 TO 1.4 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MAXIMUM INSERTION LOSS OF 0.6 dB WHILE HANDLING INPUT POWERS OF UP TO 100 W PEAK.

SPECIFICATIONS

- FREQUENCY RANGE: 1.2 TO 1.4 GHz
- INSERTION LOSS: 0.6 dB MAXIMUM
- VSWR: 1.2:1 MAXIMUM
- INPUT POWER: 100.0 W PEAK (1.2 ms PULSE WIDTH, 20% DUTY CYCLE)*
- SPIKE LEAKAGE: 29 dBm MAXIMUM
- FLAT LEAKAGE: 20 dBm MAXIMUM
- -3 dB RECOVERY TIME: 6 µs GOAL (WITH INPUT 10W)
- WEIGHT: 1g TYPICAL
- SIZE: 38.0 mm x 30.0 mm x 1.2 mm
- FINISH: GOLD PLATED

*TO BE TESTED @ 1.2 GHz WITH 100W PEAK POWER, 45 µS PULSE WIDTH, & 0.3% DUTY CYCLE.

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +70 °C (OPERATING @ 20% MAXIMUM DUTY CYCLE)
- +70 °C TO +85 °C (OPERATING @ 10% MAXIMUM DUTY CYCLE)

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

MECHANICAL OUTLINE

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PRODUCT FEATURE
LM-1R2G1R4G-20-100W-SM
1.2 to 1.4 GHz Limiter

PMI CONFIDENTIAL AND PROPRIETARY