DESCRIPTION
PMI MODEL NO. LM-99R5-316W-20W-PIN IS A LIMITER THAT OPERATES OVER THE FREQUENCY RANGE OF 9.0 TO 9.5 GHz. THIS MODEL IS OUTFITTED WITH PINS.

SPECIFICATIONS

- FREQUENCY RANGE: 9.0 TO 9.5 GHz
- IMPEDANCE: 50 Ohms
- INCIDENT RF PULSE PATTERN 1: 316 WATTS (+55 dBm) MAX
  PULSE WIDTH 5us MAX
  DUTY CYCLE 1% MAX
  AVERAGE POWER 3.2W (+35dBm) MAX
- INCIDENT RF PULSE PATTERN 2: 20 WATTS (+43 dBm) MAX
  RANGE OF PULSE WIDTH 100ns TO 130us
  DUTY CYCLE 13% MAX
  AVERAGE POWER 2.0W (+33dBm) MAX
- FLAT LEAKAGE: 200mW (+23 dBm) MAX
- SPIKE LEAKAGE: 250 mW (+24 dBm) MAX
- SPIKE ENERGY: 0.1 ERG MAX
- RECOVERY TIME: 100ns
- VSWR: 1.9:1 MAX (INPUT AND OUTPUT)
- INSERTION LOSS: 1.8 dB MAX (@ -50dBm)
- CONNECTORS: 0.012" DIA RF PIN
- FINISH: GOLD PLATED OVER NICKEL

*NOTE: THE LIMITER MUST BE CAPABLE OF PERFORMING TO FULL SPECIFICATION WHEN RF PULSE PATTERNS 1 AND 2 ARE APPLIED SIMULTANEOUSLY.
*NOTE: ALUMINUM ALLOY 6061-T6, GOLD PLATING OVER NICKEL.
*NOTE: SHALL NOT ACT AS A NUTRIENT TO MOULD OR OTHER GROWTHS.
*NOTE: TEST REPORT TO BE PROVIDED DURING DELIVERY AND PRODUCT WARRANTY OF 1 YEAR AFTER DELIVERY.

ENVIRONMENTAL RATINGS

- OPERATING TEMPERATURE: -40 °C TO +80 °C (CASE TEMP)
- STORAGE TEMPERATURE: -40 °C TO +70 °C
- RELATIVE HUMIDITY: UP TO 95% AT +40 °C
- VIBRATION: SHALL OPERATE AT FULL SPECIFICATION WITH VIBRATION IN ALL THREE PRINCIPAL AXES WITH
  i) AMPLITUDE DISPLACEMENT OF ±1 mm AT A RATE BETWEEN 2.0 TO 13.2 Hz
  ii) ACCELERATION OF 7 m/s² AT A RATE OF 13.2 TO 100 Hz

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