DESCRIPTION

PMI MODEL: LM–218–10–1W–SHS–1–M IS A HIGH SPEED, HIGH POWER HARD DIODE-LIMITER. IT OPERATES OVER THE FREQUENCY RANGE OF 2.0 TO 18.0GHz, WITH A MALE SMA ON THE INPUT RF CONNECTOR.

SPECIFICATIONS

- FREQUENCY RANGE: 2.0 TO 18.0 GHz
- INSERTION LOSS
  @–20dBm INPUT: 2.0dB MAX, 1.5dB TYP
- VSWR @–20dBm INPUT: 2:1 MAX, 1.5:1 TYP
- LEAKAGE @ 1 WATT
  CW INPUT: +14dBm MAX, +10dBm TYP
- SPEED: 10ns
- INPUT POWER: 1 WATT CW, 100 WATTS PEAK, 1us PULSE, 0.1% DUTY CYCLE DERATED TO 20% AT 125°C
- LIMITING THRESHOLD: +10dBm TYP
- CONNECTORS: SMA: RF IN=MALE, RF OUT= FEMALE
- SIZE: 0.5” X 0.5” X 0.22”

ENVIRONMENTAL RATINGS

- TEMPERATURE: –54°C TO +85°C (OPERATING)
  –65°C TO +125°C (STORAGE)
- HUMIDITY: MIL–STD–202F, METHOD 103B COND. B
- SHOCK: MIL–STD–202F, METHOD 213B COND. B
- VIBRATION: MIL–STD–202F, METHOD 204D COND. B
- ALTITUDE: MIL–STD–202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL–STD–202F, METHOD 107D COND. A

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