DESCRIPTION

PMI MODEL: LM–0580–10–1W–SHS–1–M IS A HIGH SPEED, HIGH POWER HARD DIODE–LIMITER. IT OPERATES OVER THE FREQUENCY RANGE OF 1.5 TO 8.0GHz, WITH A MALE SMA ON THE INPUT RF CONNECTOR.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 8.0 GHz
- INSERTION LOSS
  @–20dBm INPUT: 2.0dB MAX, 1.5dB TYP
- VSWR @–20dBm INPUT: 2.0:1 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
- FINISH:
- 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 21B 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.
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION.