**DESCRIPTION**

PMI MODEL: LM-0518-10-1W-SHS-1-SFM IS A HIGH SPEED, HIGH POWER HARD DIODE-LIMITER. IT OPERATES OVER THE FREQUENCY RANGE OF 0.5 TO 18GHz

**SPECIFICATIONS**

- **FREQUENCY RANGE:** 0.5 TO 18 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 (M/F)
- **FINISH:** PAINTED BLUE
- **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 244D COND. B
- **ALTITUDE:** MIL-STD-202F, METHOD 107C COND. B

**PRODUCT FEATURE**

LM-0518-10-1W-SHS-1-SFM

**NOTE:** SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

**NOTE:** THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION