DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-218-14-200W-SMF-OPT10M18G IS A HIGH POWER LIMITER THAT WORKS FROM 10 MHz TO 18 GHz THAT HANDLES 200 WATTS PEAK POWER WITH A PULSE WIDTH OF 1μs AND 0.1% DUTY CYCLE OR 1 WATT CW.

SPECIFICATIONS:

- FREQUENCY: 10 MHz TO 18 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM @ Pin = -10 dBm
- PEAK POWER: 200 WATTS, 1μs & 0.1% Duty Cycle
- AVERAGE POWER: 1 WATT CW
- VSWR: 2.0:1 MAXIMUM
- LEAKAGE LEVEL: +14dBm MAXIMUM @ 1 WATT CW
- LOW LIMITING THRESHOLD: +6 dBm TYPICAL
- RECOVERY TIME: 100 ns MAXIMUM @ Pin = 27dBm
- CONNECTORS: SMA MALE / SMA FEMALE
- SIZE: 0.75 X 1.00 X 0.300 (H)
- WEIGHT: 1.5 OZ. TYPICAL
- FINISH: GRAY EPOXY POLYMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLYMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +125°C (OPERATING) - NOTE 1
  -65°C TO +125°C (STORAGE)
- THERMAL SHOCK: MIL-STD-202F, METHOD 107D COND. A
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SALT SPRAY: MIL-STD-202F, METHOD 101D+EST, COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. C
- FUNGUS: MIL-STD-810F, METHOD 508.5

NOTE 1: Power Handling capability derated by 20% @ +125°C

M/N = MANUFACTURER PART NUMBER
O/N = OPTION NUMBER
S/N = SERIAL NUMBER