

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-218-14-200W-SFF-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 1 μ s 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 FEMALE / SMA FEMALE
- **SIZE:**..... 0.75 X 1.00 X .300 (H)
- **WEIGHT:**..... 1.5 OZ. TYPICAL
- **FINISH:** PAINTED BLUE

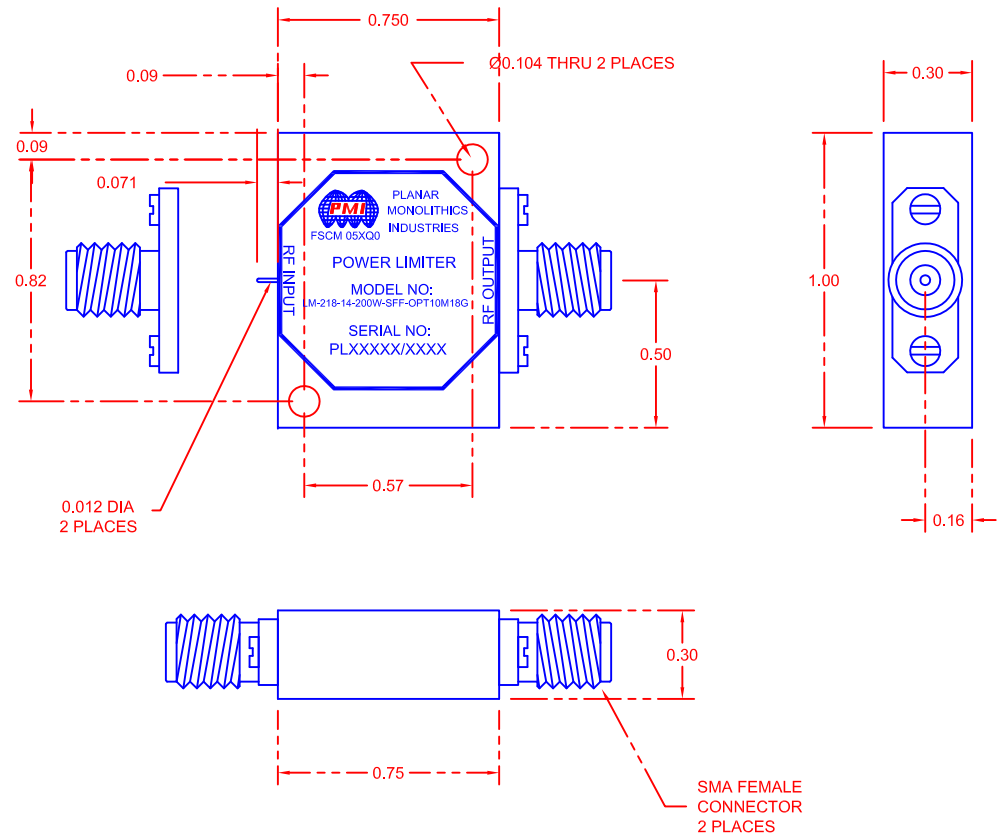
ENVIRONMENTAL RATINGS

- 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

DESIGNED TO MEET ALL ENVIRONMENTAL CONDITIONS. ACTUAL TESTING AVAILABLE FOR AN ADDITIONAL CHARGE.

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



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

PMI CONFIDENTIAL AND PROPRIETARY

PART NO.		 PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND			
APPROVALS	DATE				
DRAWN <i>S. PALAEO</i>	<i>12/9/15</i>	TITLE PRODUCT FEATURE LM-218-14-200W-SFF-OPT10M18G HIGH POWER LIMITER			
CHECKED					
ISSUED		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
		SCALE N:S		SHEET 1 of 1	