

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.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/06/15	

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 .300 (H)
- WEIGHT: 1.5 OZ. TYPICAL
- FINISH: GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

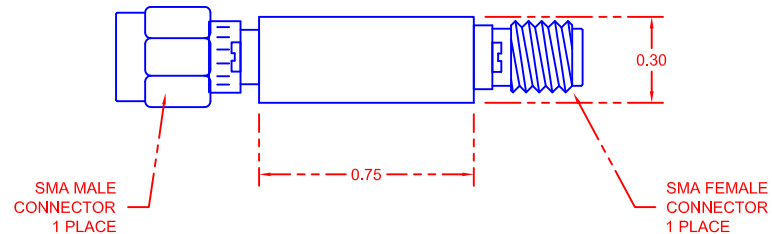
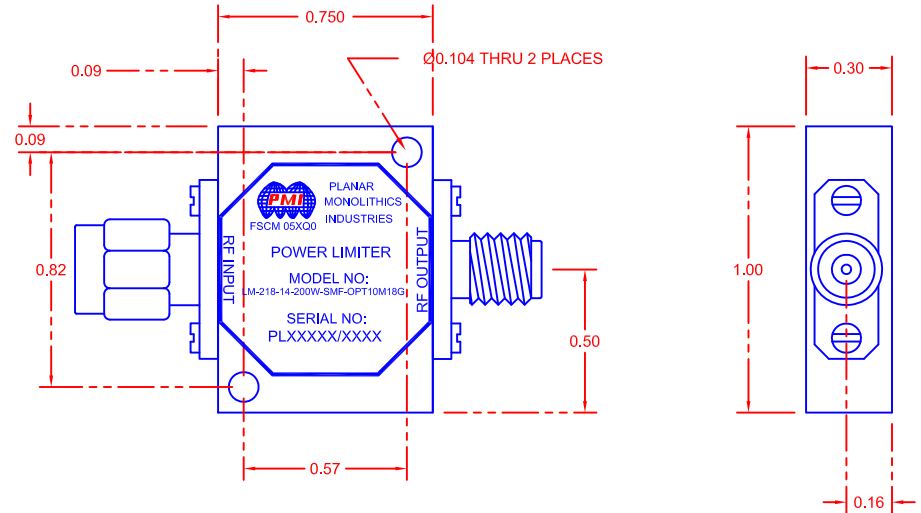
- TEMPERATURE: -55°C TO +125°C (OPERATING) - NOTE 1
..... -65°C TO +125°C (STORAGE)
- THERMAL SHOCK MIL-STD-202F, METHOD 107D COND. A
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SALT SPRAY: MIL-STD-202F, METHOD 101D+EST, COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- SHOCK: MIL-STD-202F,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

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

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


NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010



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	TITLE		
DRAWN <i>M. Berry</i>	11/06/15	PRODUCT FEATURE LM-218-14-200W-SMF-OPT10M18G HIGH POWER LIMITER		
CHECKED		SIZE	FSCM NO.	DWG NO.
ISSUED		A	05XQ0	27028721
		SCALE	N:S	SHEET 1 of 1
				REV. 1