

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-218-14-200W-SMF IS A HIGH POWER LIMITER THAT WORKS FROM 2 GHz TO 18 GHz THAT HANDLES 200 WATTS PEAK POWER WITH A PULSE WIDTH OF 1μSEC AND 0.1% DUTY CYCLE OR 1 WATT CW.

SPECIFICATIONS:

- FREQUENCY:..... 2 TO 18 GHz
- INSERTION LOSS:..... 2.0 dB MAXIMUM @ Pin=-10dBm
- PEAK POWER:..... 200 WATTS, 1usec and 0.1% Duty Cycle
- AVERAGE POWER:..... 1 Watt CW
- VSWR:..... 2.0:1 MAXIMUM
- LEAKAGE LEVEL:..... +14dBm MAXIMUM @ 1 Watt CW
- LOW LIMITING THRESHOLD: +6dBm TYPICAL
- RECOVERY TIME:..... 100nsec 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

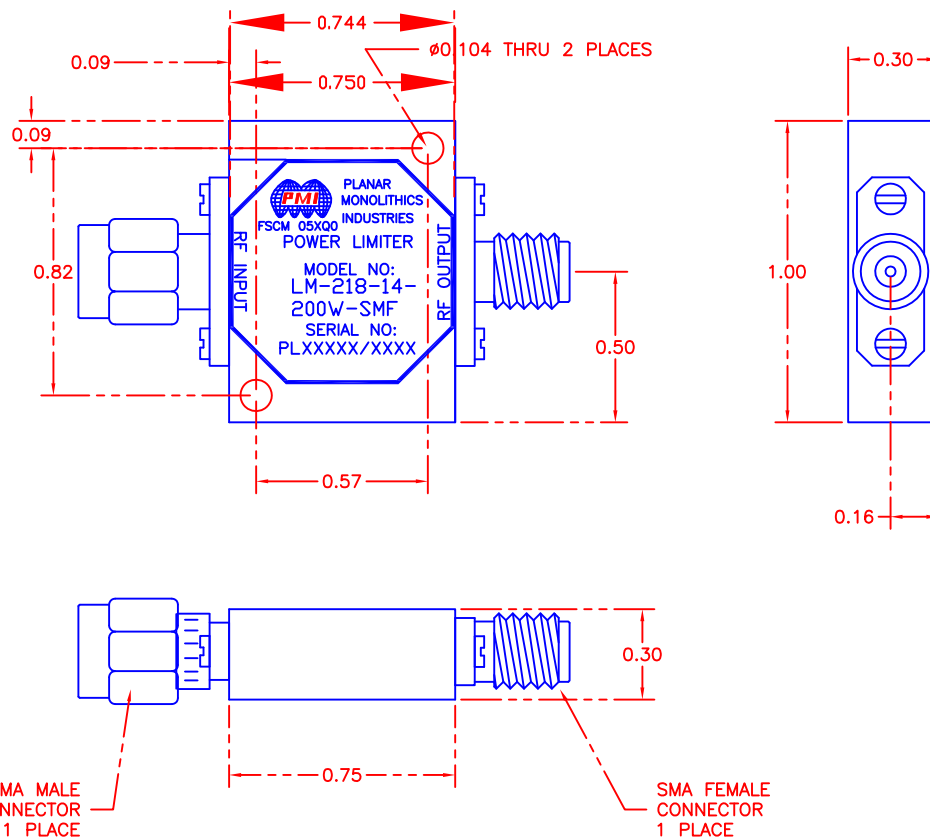
NOTE 1: Power Handling capability derated by 20% @ +125°C

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	07/15/14	
A1		ECN # 17-0178	07/15/14	



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

PMI CONFIDENTIAL AND PROPRIETARY

PART NO.		PMI PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>KM</i>	8/12/10	PRODUCT FEATURE LM-218-14-200W-SMF HIGH POWER LIMITER	
CHECKED		SIZE	FSCM NO.
ISSUED		A	05XQ0
		DWG NO.	27022625
		SCALE	N:S
		SHEET	1 of 1
		REV.	A1