

DESCRIPTION

PMI MODEL: LM-1G2G-4CW-1KWP-SFF IS A RF LIMITER THAT OPERATES OVER THE 1 GHz TO 2 GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 4 W CW AND 1 kW PEAK (1% DUTY CYCLE, 1 μ s MAXIMUM PULSE WIDTH) INPUT POWER AND PROVIDES A MAXIMUM LEAKAGE OF +16 dBm (40 mW) . THIS MODEL HAS A LOW INSERTION LOSS OF 0.7 dB AND A RECOVERY TIME OF 1 μ s MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 1 GHz TO 2 GHz
- INSERTION LOSS: ----- 0.7 dB MAXIMUM
- INPUT/OUTPUT VSWR: ----- 2.0:1 MAX @ -10 dBm INPUT
- IMPEDANCE: ----- 50 Ω
- INPUT POWER: ----- 4 W CW MIN
1 kW PEAK (1% DUTY CYCLE, 1 μ s MAX PULSE WIDTH)
- MAXIMUM FLAT LEAKAGE: ----- 16 dBm (40 mW) MAXIMUM
- LIMITING THRESHOLD: ----- 5 dBm MIN, 1 dB COMPRESSION
- RECOVERY TIME: ----- 1 μ s MAXIMUM
- CONNECTORS: ----- INPUT: SMA FEMALE
OUTPUT: SMA FEMALE
- SIZE: ----- 1.00" x 0.75" x 0.38"
25.40 mm x 19.05 mm x 9.65 mm (EXCLUDING CONNECTORS)
- FINISH: ----- GOLD PLATED

* - EXTERNAL DC BLOCKS ARE REQUIRED FOR PROPER FUNCTION.

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 $^{\circ}$ C TO +85 $^{\circ}$ C (OPERATING)
-65 $^{\circ}$ C TO +95 $^{\circ}$ C (STORAGE)
- STABILIZATION BAKE: ----- MIL-STD-883, METHOD 1008, COND. B
- THERMAL CYCLE: ----- MIL-STD-883, METHOD 1010, COND. B
- VIBRATION: ----- DISPLACEMENT (DOUBLE AMPLITUDE): 5 mm p-p; 2~7 Hz
ACCELERATION LEVEL (PEAK): $\pm$ 0.5 G; 7~50 Hz
- VIBRATION: ----- DISPLACEMENT (DOUBLE AMPLITUDE): 10 mm p-p @ 2~10 Hz
& 5 mm p-p @ 5~10 Hz
- SHOCK: ----- 15 G, 11 $\pm$ 1 ms
- RELATIVE HUMIDITY: ----- 100%
- ALTITUDE: ----- 70000 ft

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

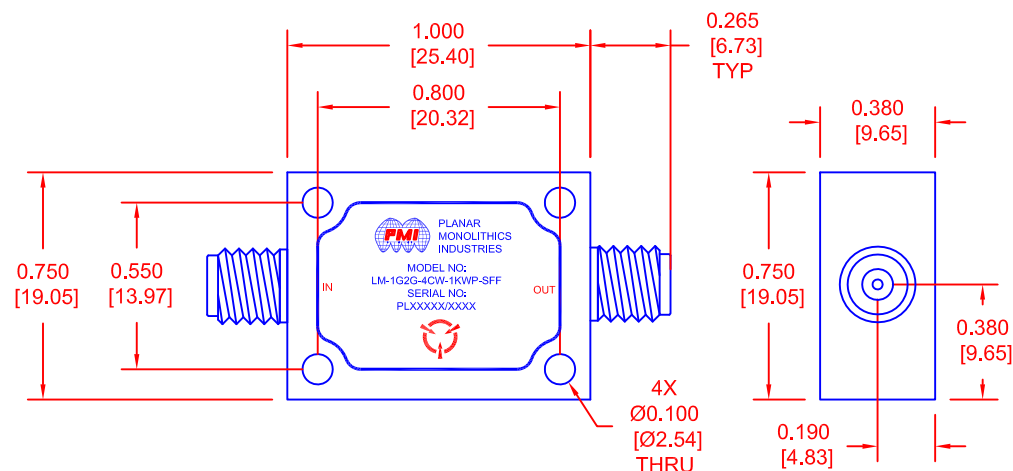
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES (mm)
TOLERANCES:
X.XX $\pm$ 0.020
X.XXX $\pm$ 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/2/19	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE LM-1G2G-4CW-1KWP-SFF				
APPROVALS	DATE					
DRAWN <i>M. Berry</i>	<i>09/21/16</i>					
REDRAWN <i>EW</i>	<i>7/2/19</i>	SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV -	
ISSUED		SCALE N:S		SHEET 1 OF 1		