

DESCRIPTION

PMI MODEL: LM-1G2G-4CW-1KWP-SMF-OPT10M6G IS A RF LIMITER THAT OPERATES OVER THE 0.01 GHz TO 6 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 2.0 dB AND A RECOVERY TIME OF 1 μ s MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.01 GHz TO 6.0 GHz
- INSERTION LOSS: ----- 2.0 dB MAX
- INPUT/OUTPUT VSWR: ----- 2.0:1 MAX @ -10 dBm INPUT
- IMPEDANCE: ----- 50 Ω
- INPUT POWER: ----- 4 W CW MAX
1 kW PEAK (1% DUTY CYCLE, 1 μ s MAX PULSE WIDTH)
- MAXIMUM FLAT LEAKAGE: ----- 16 dBm (40 mW) MAX
- LIMITING THRESHOLD:----- 5 dBm MIN, 1 dB COMPRESSION
- RECOVERY TIME: ----- 1 μ s MAX
- CONNECTORS: ----- INPUT: SMA MALE
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

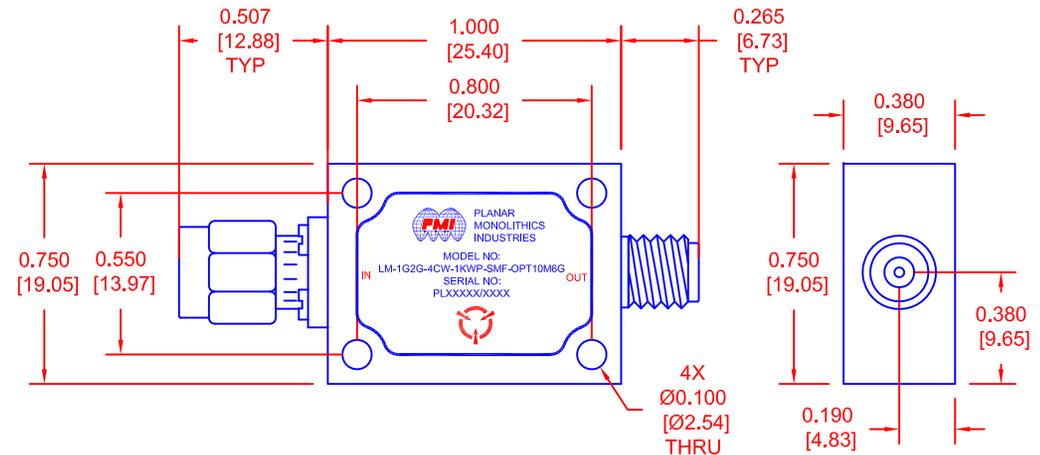
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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
	A1	ORIGINAL RELEASE	07/19/22	
	A2	ECN # 22-0126	10/05/22	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>S. AZHAR</i>		07/19/22	PRODUCT FEATURE LM-1G2G-4CW-1KWP-SMF-OPT10M6G		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27044780
ISSUED			SCALE N:S		REV. A2
					SHEET 1 OF 1