

DESCRIPTION

PMI MODEL: LM-1G2G-4CW-1KWP-SMF-OPT2G4G IS A RF LIMITER THAT OPERATES OVER THE 2.0 TO 4.0 GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 40 W CW INPUT POWER AND PROVIDES A MAXIMUM LEAKAGE OF +30 dBm (1W) . THIS MODEL HAS A LOW INSERTION LOSS OF 1.2 dB.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 2.0 TO 4.0 GHz
- INSERTION LOSS: ----- 1.2 dB MAXIMUM
- INPUT/OUTPUT VSWR: ----- 2.0:1 MAX @ -10 dBm INPUT
- IMPEDANCE: ----- 50 Ω
- INPUT POWER: ----- 40 W CW (46 dBm)
- MAXIMUM FLAT LEAKAGE: ----- +30 dBm (1 W)
- MAXIMUM LIMITING THRESHOLD: ----- 45 dBm, 30% duty cycle
- 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 °C TO +85 °C (OPERATING)
-65 °C TO +95 °C (STORAGE)
- STABILIZATION BAKE: ----- MIL-STD-883, METHOD 1008, COND. B
- THERMAL CYCLE: ----- MIL-STD-883, METHOD 1010, COND. B
- VIBRATION: ----- 0.1 inchpp or ± 10 G, 5 - 500 Hz (MIL-E-5400R FIG 2, CURVE IV)
- SHOCK: ----- 15 G, 11 ± 1 ms
- RELATIVE HUMIDITY: ----- 100%
- ALTITUDE: ----- 70000 ft

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

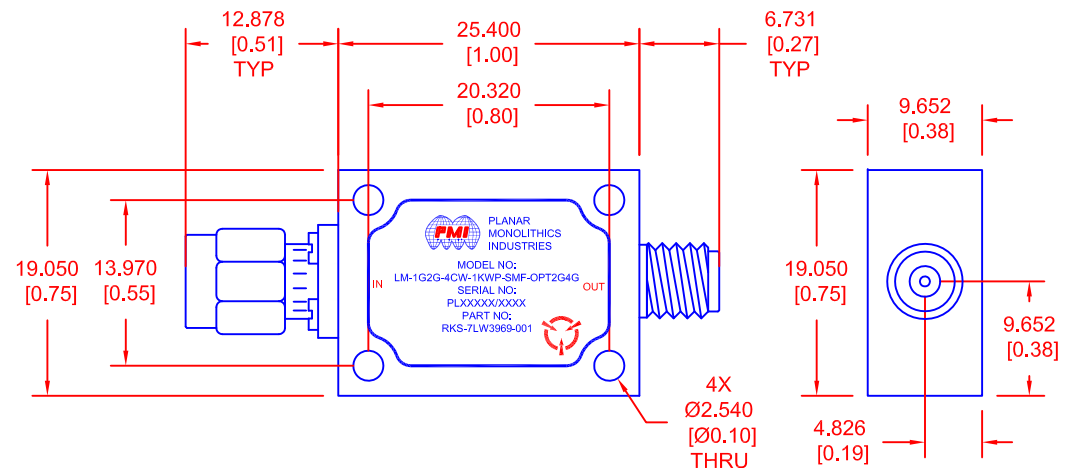
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN mm (INCH)
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/29/16	
	A1	ECN # 16-0203	12/13/16	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>B. Thomas</i>		9/29/16		PRODUCT FEATURE LM-1G2G-4CW-1KWP-SMF-OPT2G4G	
CHECKED				SIZE A	REV. A1
ISSUED				FSCM NO. 05XQ0	DWG NO. 27030721
				SCALE N:S	SHEET 1 OF 1