

DESCRIPTION

PMI MODEL: LM-8G12G-1R5-SFM IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 8.0 TO 12.0 GHz. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 1.5 dB WITH A VSWR OF 1.8:1 MAXIMUM. THIS COMPACT UNIT MEASURES 0.90" x 0.38" SQUARE AND IS OUTFITTED WITH SMA CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 8.0 TO 12.0 GHz
- INSERTION LOSS: 1.5 dB MAX
- VSWR: 1.8:1 MAX
- P1dB: 0 dBm MIN
- LEAKAGE POWER: 50 mW MAX @ PULSE WIDTH OF 1 us
REPETITION FREQUENCY: 1 KHz
POWER: 100 WATTS MAX
- ALLOWABLE INPUT POWER: AVERAGE: 1 WATT MAX
PEAK POWER: 100 WATTS MAX
- SPIKE LEAKAGE: 0.2 erg. MAX @ PULSE WIDTH OF 1 us
REPETITION FREQUENCY: 1 KHz
POWER: 100 WATTS
- RECOVERY TIME: 100 ns MAX
- CONNECTORS: INPUT: SMA FEMALE
OUTPUT: SMA MALE
- WEIGHT: 20g [0.705 oz] MAX
- SIZE: (L) 22.86mm x (W) 9.65mm x (H) 9.65mm MAX
[(L) 0.90" x (W) 0.38" x (H) 0.38" MAX
EXCLUDING CONNECTORS
- FINISH: PAINTED BLUE

*NOTE: INTERNALLY DC BLOCKED

ENVIRONMENTAL RATINGS

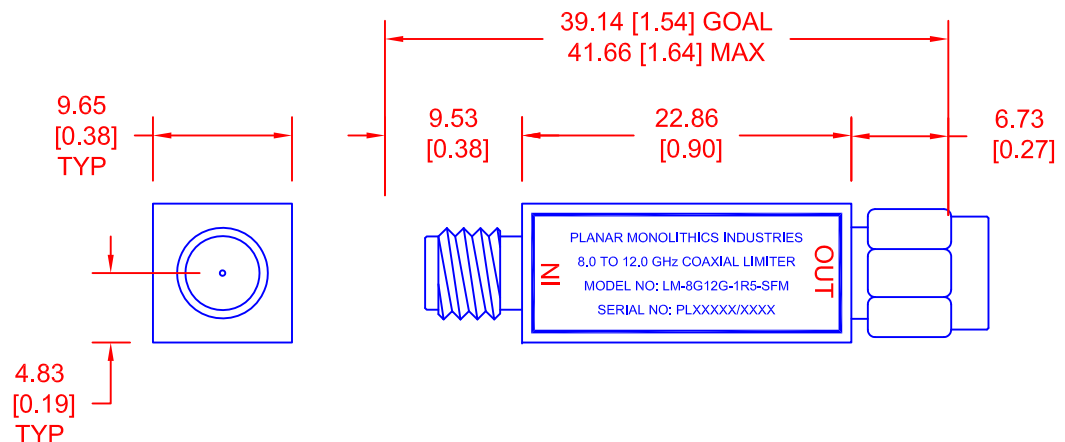
- TEMPERATURE: -54 °C TO +71 °C (OPERATING)
-62 °C TO +85 °C (STORAGE)
- VIBRATION: MIL-E-5400R FIG. 2 CURVE2 AND CURVE3
- SHOCK: MIL-E-5400R 3.2.24.6.1
- HUMIDITY: 95% (71°C) RH MAX
- ALTITUDE: 9,144 m (OPERATING), 12,192 m (STORAGE)

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/12/18	
	1	UPDATED SPECS	12/4/18	

MECHANICAL OUTLINE



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

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		SIZE		FSCM NO.		DWG NO.		REV.	
DRAWN		M. Berry		02/12/18		A		05XQ0		PRELIMINARY		1	
REDRAWN		EW		11/12/18		SCALE		N:S		SHEET		1 OF 1	
ISSUED													

PRODUCT FEATURE

LM-8G12G-1R5-SFM

8.0 to 12.0 GHz Coaxial Limiter