

## DESCRIPTION

PMI MODEL NO. LM-4G5G-1W-SFM IS A LIMITER THAT OPERATES OVER THE FREQUENCY RANGE OF 4.0 TO 5.0 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 1 dB AND A MAXIMUM VSWR OF 1.5:1. THIS MODEL IS OUTFITTED WITH A SMA FEMALE CONNECTOR AND A SMA MALE CONNECTOR.

## SPECIFICATIONS

- FREQUENCY RANGE: 4.0 TO 5.0 GHz
- INSERTION LOSS: 1 dB MAX
- VSWR: 1.5:1 MAX
- CW RF POWER: 1 WATT MAX
- PEAK POWER (1 us PW 0.1% DC): 1000 WATTS MAX
- LEAKAGE (CW) @ 1 WATT CW: 15 dBm MAX
- CONNECTORS IN/OUT: SMA FEMALE/SMA MALE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -45 °C TO +85 °C (OPERATING)  
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: 100% RH @ 35°C, 95% RH @ 40°C
- SHOCK: 20 G FOR 11 msc
- VIBRATION: 25 g rms (15° 2 KHz)

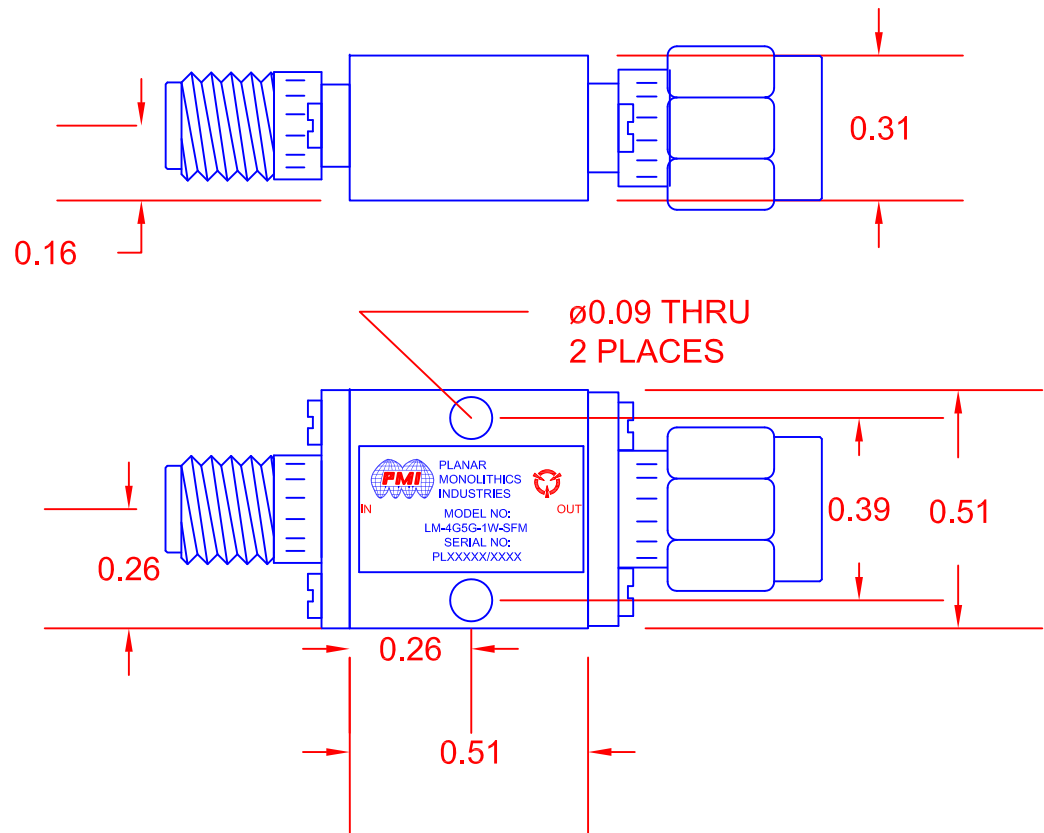
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/8/2019	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: [www.pmi-rf.com](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)

ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	EW	12/8/18		PRODUCT FEATURE LM-4G5G-1W-SFM	
REDRAWN					
ISSUED				SIZE	FSCM NO.
				A	05XQ0
				DWG NO.	27036320
				SCALE	N:S
				SHEET	1 OF 1
				REV.	A1