

DESCRIPTION:
PMI MODEL NUMBER: LM-1G18G-2W-SFF-BIAS IS A LOW LOSS LIMITER WITH A P1dB BIAS ADJUST AND WORKING FREQUENCY RANGE OF 1 TO 18 GHz. THIS LIMITER IS SUPPLIED IN A HOUSING THAT CAN BE USED AS A SURFACE MOUNT OR CONNECTORIZED COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/6/2023	
	A2	ECN # 24-0198	7/23/2024	
	A3	ECN # 24-0324	11/11/2024	

SPECIFICATIONS:

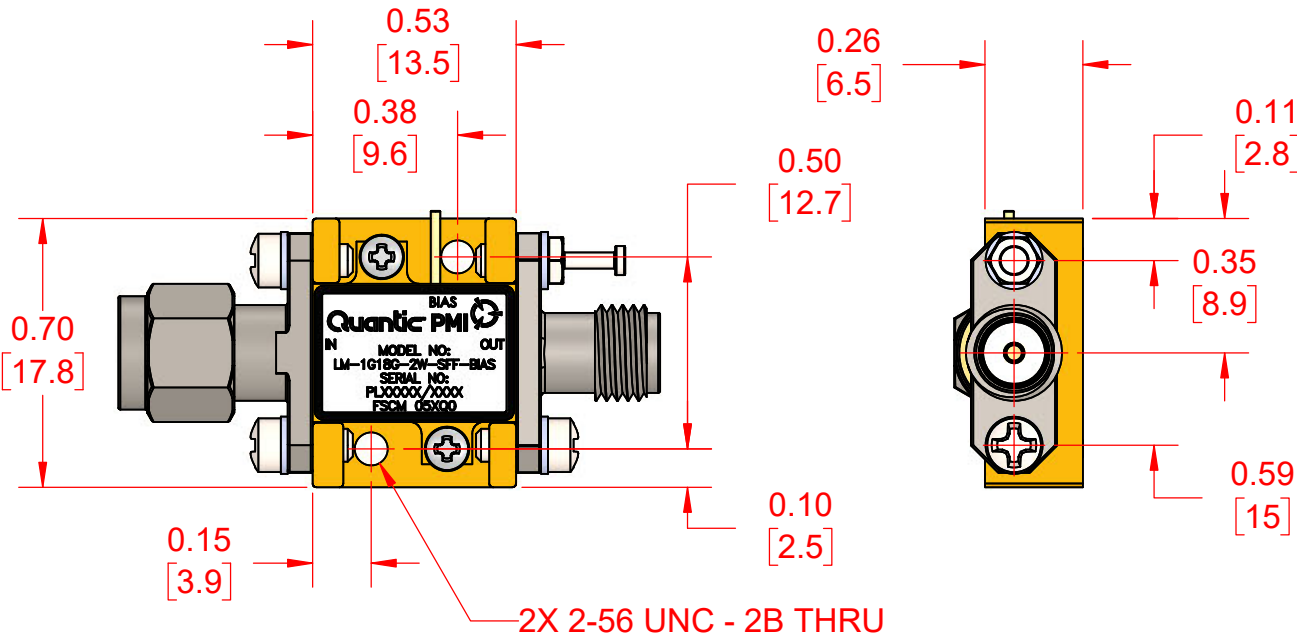
- FREQUENCY RANGE:..... 1.0 TO 18.0 GHz
- INSERTION LOSS:..... 2.0 dB MAX
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
- RF LEAKAGE (2W INPUT):..... +27 dBm MAX (-1V)
+25 dBm MAX (-0.5V)
+23 dBm MAX (0V)
- P1dB:..... +18 dBm MIN (-1V)
+14 dBm MIN (-0.5V)
+8 dBm MIN (0V)
- INPUT POWER:..... 2W CW MAX
- PEAK POWER:..... 1 kW MAX (1 TO 2.5 GHz)
250 W MAX (2.5 TO 5 GHz)
100 W MAX (5 TO 18 GHz)
0.1% DC, 1 us PW MAX
- DC SUPPLY:..... -1.5 TO 0 VDC MAX
- CURRENT:..... 1 mA MAX
- CONNECTORS IN/OUT:..... SMA MALE (IN) FEMALE (OUT)
(INTERNALLY DC BLOCKED)
- FINISH:..... GOLD PLATED

ENVIRONMENTAL RATINGS:

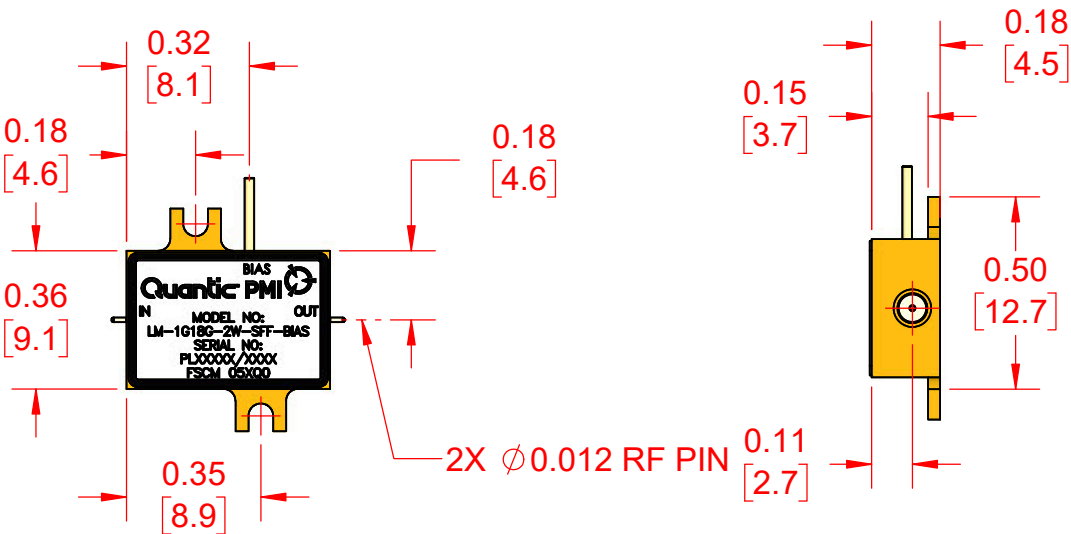
- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-55°C TO +100°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107D COND. A

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

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS	DATE	Quantic PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED			
		DRAWN J ESCANO	4/6/2023				
		REDRAWN		TITLE OUTLINE LM-1G18G-2W-SFF-BIAS			
		ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27046220	REV. A3
				SCALE 2:1	SHEET 1 OF 1		