

DESCRIPTION:

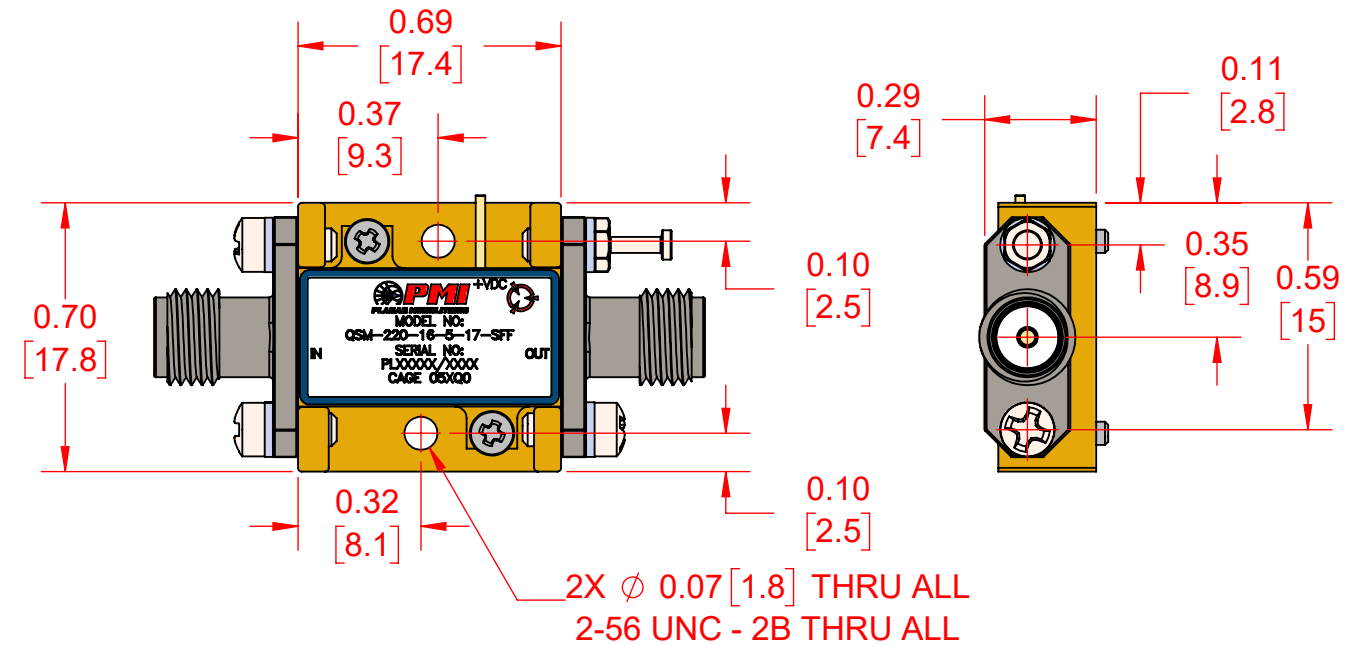
PMI MODEL NUMBER: QSM-220-16-5-17-SFF IS A 2 TO 20 GHz AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/17/2025	

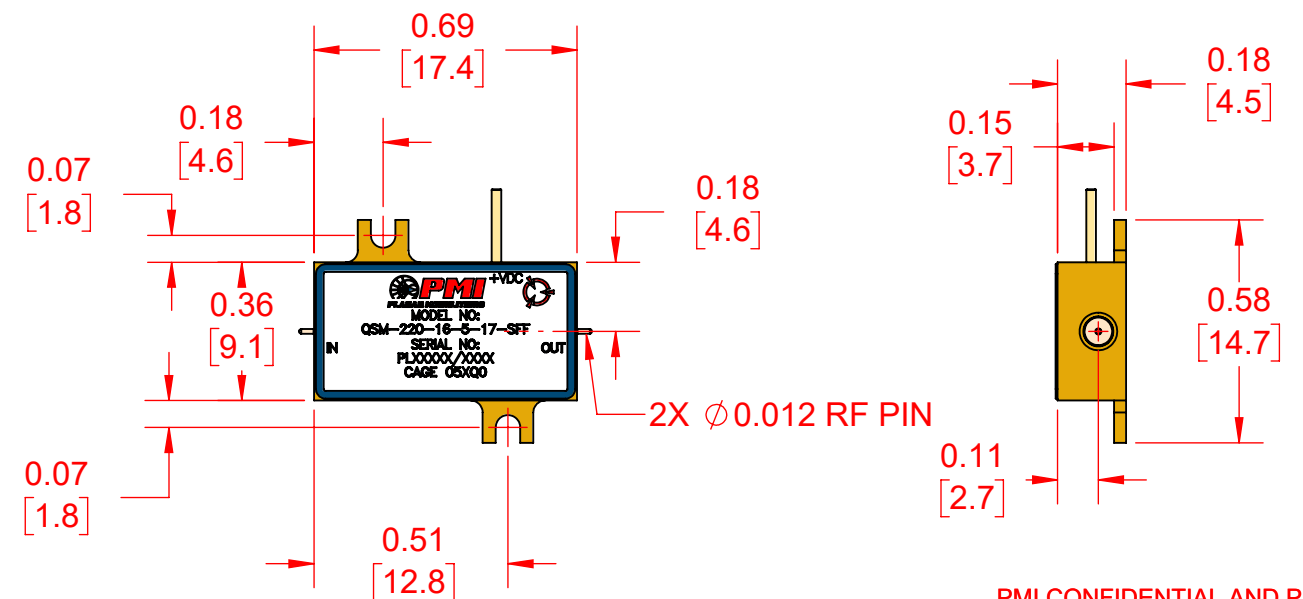
SPECIFICATIONS:

- FREQUENCY RANGE:..... 2 TO 20 GHz
- GAIN:..... 16 dB MIN @ +25°C
- GAIN FLATNESS:..... ±1.5 dB MAX
- NOISE FIGURE:..... 5 dB MAX @ +25°C
- OP1dB:..... 16 dBm MIN @ +25°C
- Psat:..... 20 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
- INPUT POWER:..... +22 dBm CW MAX
- DC VOLTAGE SUPPLY:..... +12 V to 15 V @ 150 mA MAX
- DC VOLTAGE SUPPLY(@ Psat):..... +12 V to 15 V @ 200 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)




ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
..... -55°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B

PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS DRAWN G.MENDEZ REDRAWN ISSUED		DATE		 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	
		11/17/2025			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01				TITLE OUTLINE QSM-220-16-5-17-SFF	
SIZE		FSCM NO.	DWG NO.	REV.	
B		05XQ0	27053703	A1	
SCALE 2:1			SHEET 1 OF 1		