

**DESCRIPTION:**

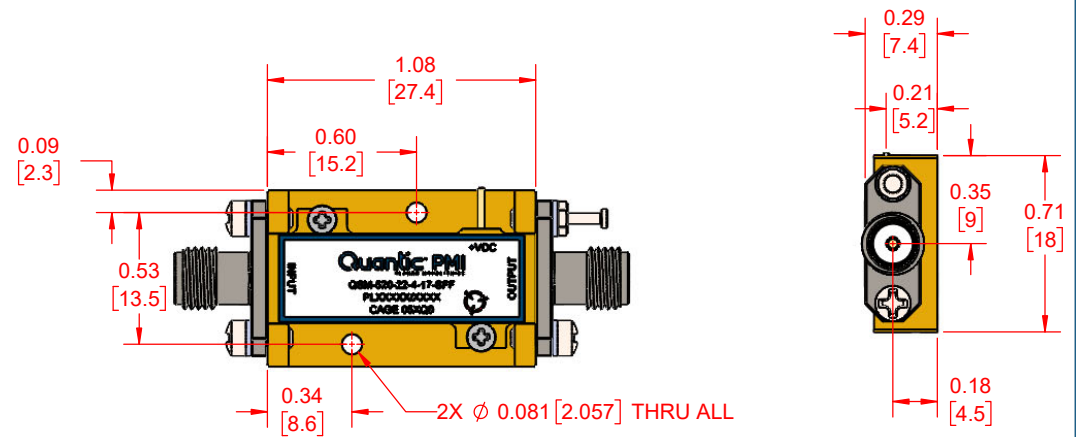
PMI MODEL NUMBER QSM-520-22-4-17-SFF IS A 5 TO 20 GHz AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/16/2025	

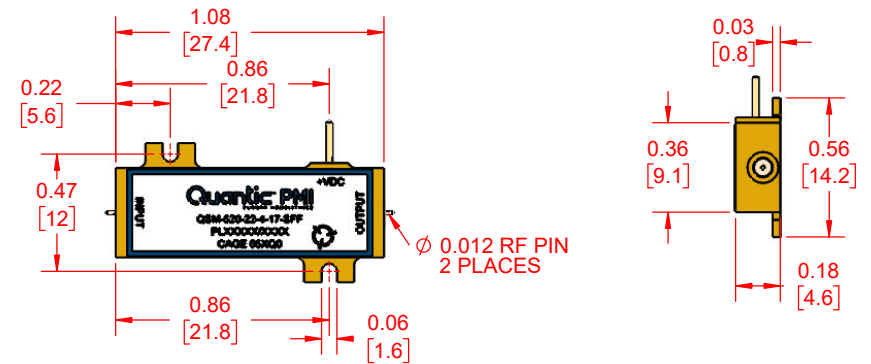
**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 5 TO 20 GHz
- GAIN:..... 26 dB TYP  
22 dB MIN
- GAIN FLATNESS:..... ±2.75 dB TYP  
±3.00 dB MAX
- NOISE FIGURE:..... 4 dB MAX
- OP1dB:..... 14 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2.2:1 MAX
- MAX INPUT POWER:..... 23 dBm MAX
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... 100 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

**PE2 HOUSING WITH CARRIER**



**PE2 HOUSING WITHOUT CARRIER**



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)  
-65°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

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

APPROVALS		DATE	TITLE			
DRAWN B.WALL		7/16/2025	OUTLINE			
REDRAWN			QSM-520-22-4-17-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			B	05XQ0	27052500	A1
			SCALE 2:1			SHEET 1 OF 1

**Quantic PMI**

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