

DESCRIPTION:

PMI MODEL NUMBER PE2-15-5R06R0-3R5-21-12-SFF IS A 5 TO 6 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	7/14/2025	

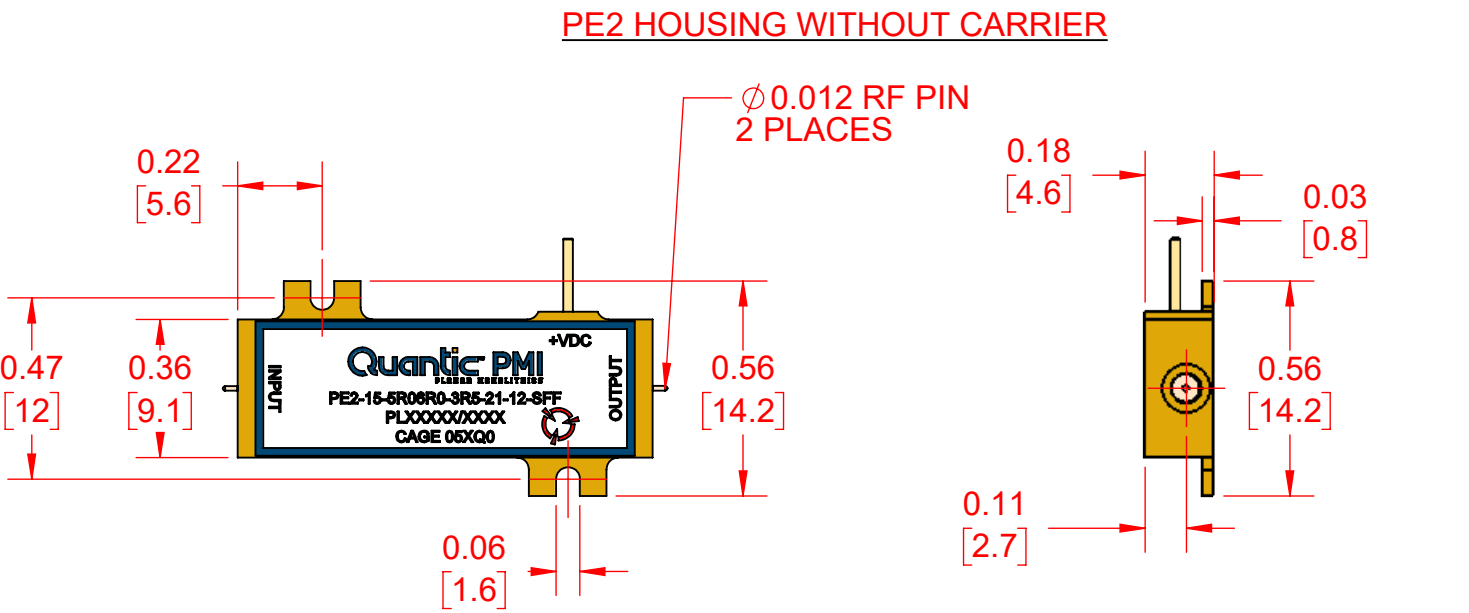
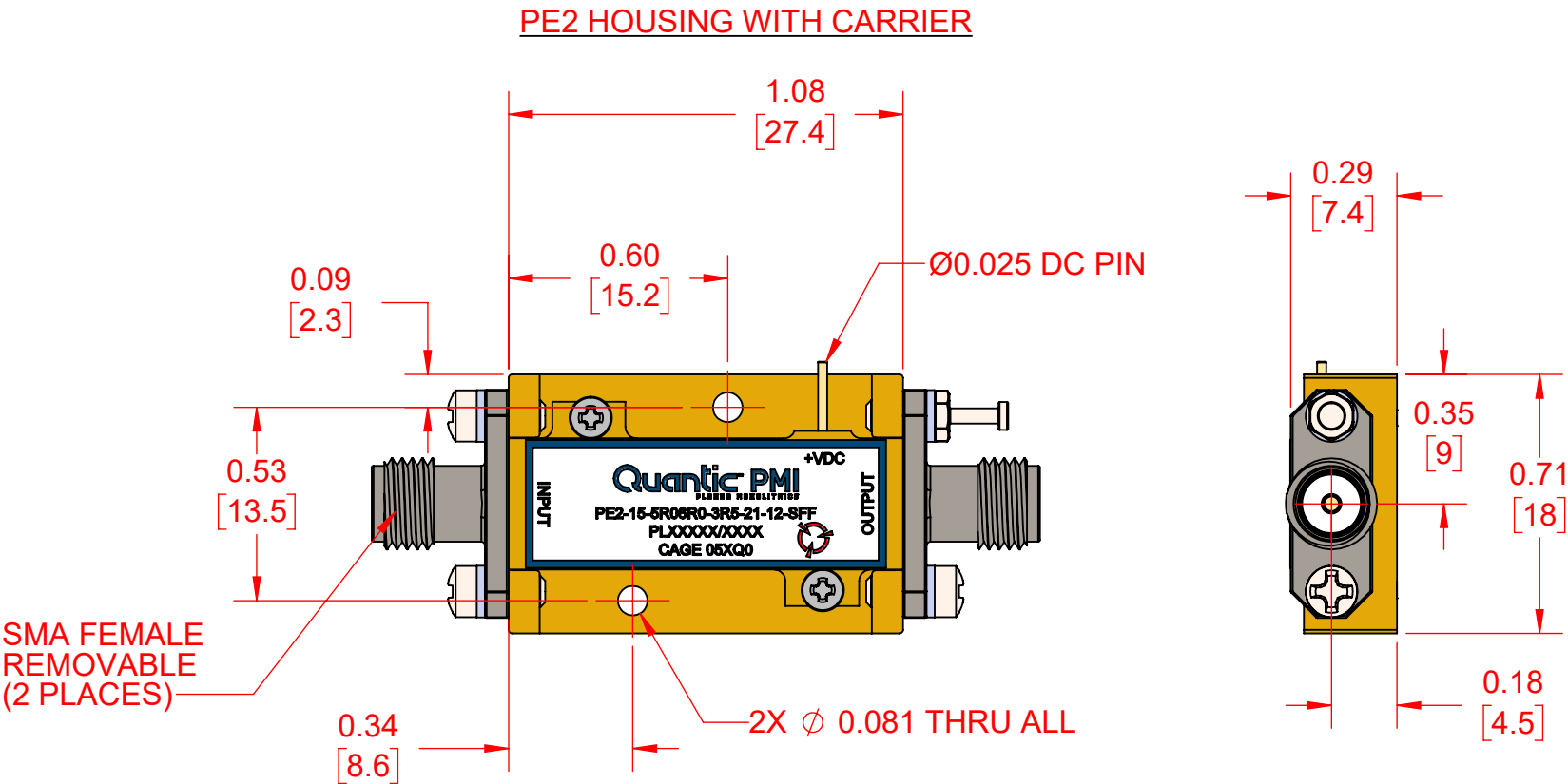
SPECIFICATIONS:

- FREQUENCY RANGE:..... 5 TO 6 GHz
- GAIN:..... 15 dB TYP
- GAIN FLATNESS:..... ±0.5 dB MAX
- NOISE FIGURE:..... 3.5 dB TYP
- OP1dB:..... 19 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
- INPUT POWER:..... 23 dBm MAX
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... 225 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°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

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



PMI CONFIDENTIAL AND PROPRIETARY

					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												
			APPROVALS		DATE		TITLE OUTLINE PE2-15-5R06R0-3R5-21-12-SFF										
			DRAWN S. LANGE		7/14/2025												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: <table><tr><td>FRACTIONS</td><td>DECIMALS</td><td>ANGLES</td></tr><tr><td>±</td><td>.XX ± 0.02</td><td>±</td></tr><tr><td></td><td>.XXX ± 0.01</td><td></td></tr></table>			FRACTIONS	DECIMALS	ANGLES	±	.XX ± 0.02	±		.XXX ± 0.01		REDRAWN					
			FRACTIONS	DECIMALS	ANGLES												
			±	.XX ± 0.02	±												
				.XXX ± 0.01													
ISSUED				SIZE B		FSCM NO. 05XQ0		DWG NO. 27052380		REV. A1							
					SCALE 2:1						SHEET 1 OF 1						