

DESCRIPTION:

PMI MODEL PE2-30-0R12-20-12-SFF IS A 0.1 TO 2.0 GHz BROADBAND AMPLIFIER WITH +16 dB GAIN, NOISE FIGURE OF 12 dB MAX, GAIN FLATNESS OF ±1.5 dB WITH AN OP1dB OF 20 dBm. THIS AMPLIFIER IS SUPPLIED WITH OUR STANDARD PE2 HOUSING WITH REMOVABLE SMA CONNECTORS THAT CAN BE USED AS A CONNECTORIZED OR SURFACE MOUNT COMPONENT.

SPECIFICATIONS:

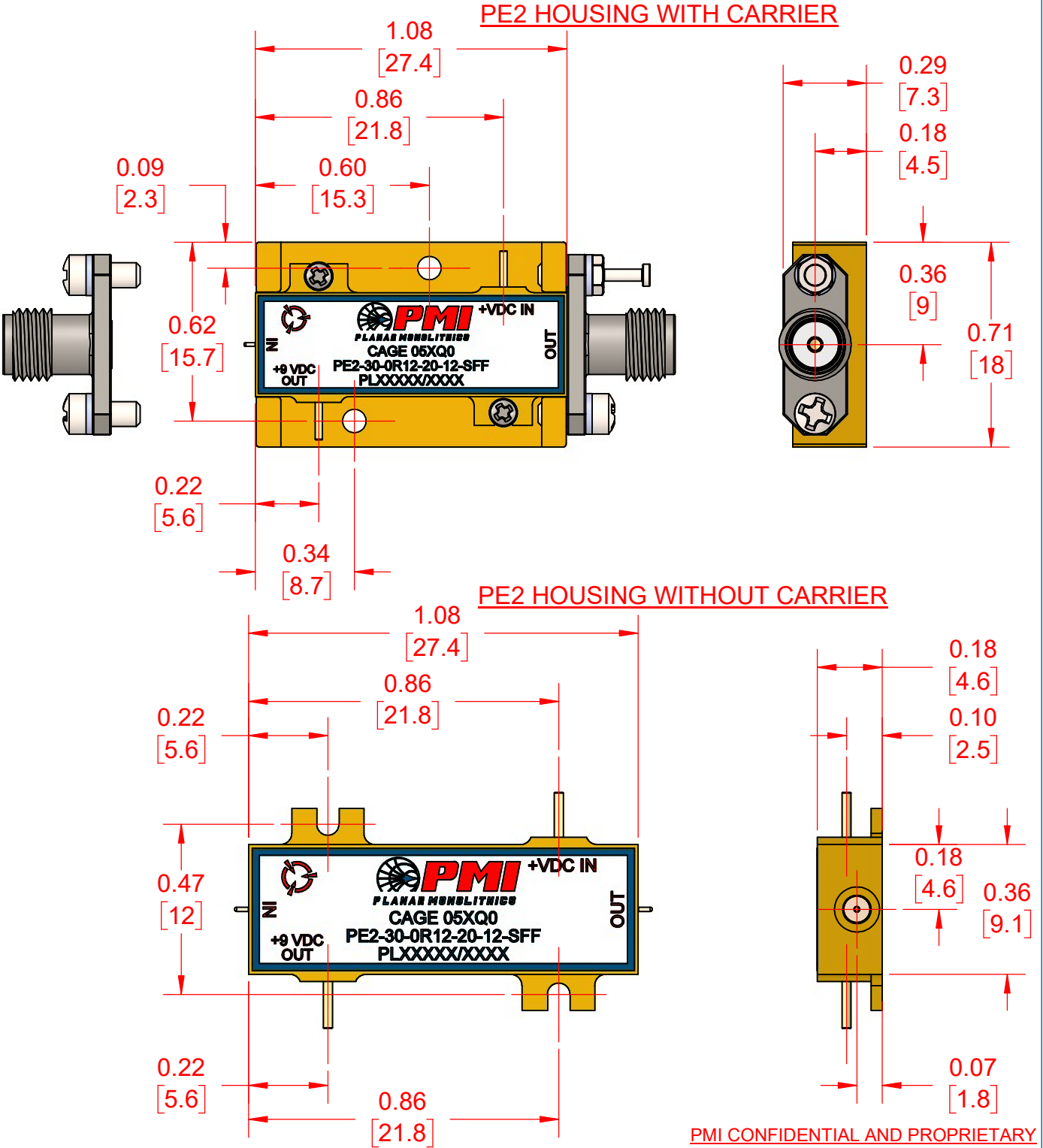
- FREQUENCY RANGE: 0.1 TO 2.0 GHz
- GAIN: +16 dB MIN
- GAIN FLATNESS: ±1.5 dB MAX
- NOISE FIGURE: 12 dB MAX
- OP1dB: +20 dBm MIN
- VSWR (IN/OUT): 2.0:1 MAX
- VOLTAGE SUPPLY: +12 TO +15 VDC @ 300 mA MAX
- VOLTAGE OUT: +9 VDC NOM
- CONNECTORS: SMA FEMALE - REMOVABLE
- FINISH: GOLD PLATED

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +85°C (OPERATING)
-40°C TO +100°C (NON-OPERATING)
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- VIBRATION: MIL-STD-202, METHOD 204 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	03/14/2019	
	B1	ECN # 26-0003	07/15/2026	



PMI CONFIDENTIAL AND PROPRIETARY

			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 PE2-30-0R12-20-12-SFF								
	DRAWN GAB		03/14/2019										
	REDRAWN				SIZE B				FSCM NO. 05XQ0		DWG NO. 27004940		REV. B1
ISSUED				SCALE 2:1				SHEET 1 OF 1					

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		
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