

PMI MODEL NUMBER PEC-30-0R2520R0-5R0-22-12-SFF IS A 0.25 TO 20.0 GHz LOW NOSIE 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	11/27/2017	
	C2	ECN # 19-0005	01/08/2019	
	C3	ECN # 23-0007	01/05/2023	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.25 TO 20.0 GHz
 - GAIN:..... 26.5 dB TYP
 - GAIN FLATNESS:..... ±1.5 dB MAX (*) @ ANY OPERATING TEMP
 - NOISE FIGURE:..... 5.5 dB TYP
 - OP1dB:..... 22 dBm MIN
 - VSWR (INPUT/OUTPUT):..... 1.7:1 MAX
 - DC VOLTAGE SUPPLY:..... +12 TO +15 VDC @ 400 mA TYP
 - CONNECTORS:..... SMA FEMALE
 - FINISH:..... GOLD PLATED
- (*) NOISE FIGURE ONLY VALID ABOVE 1 GHz

FEATURES:

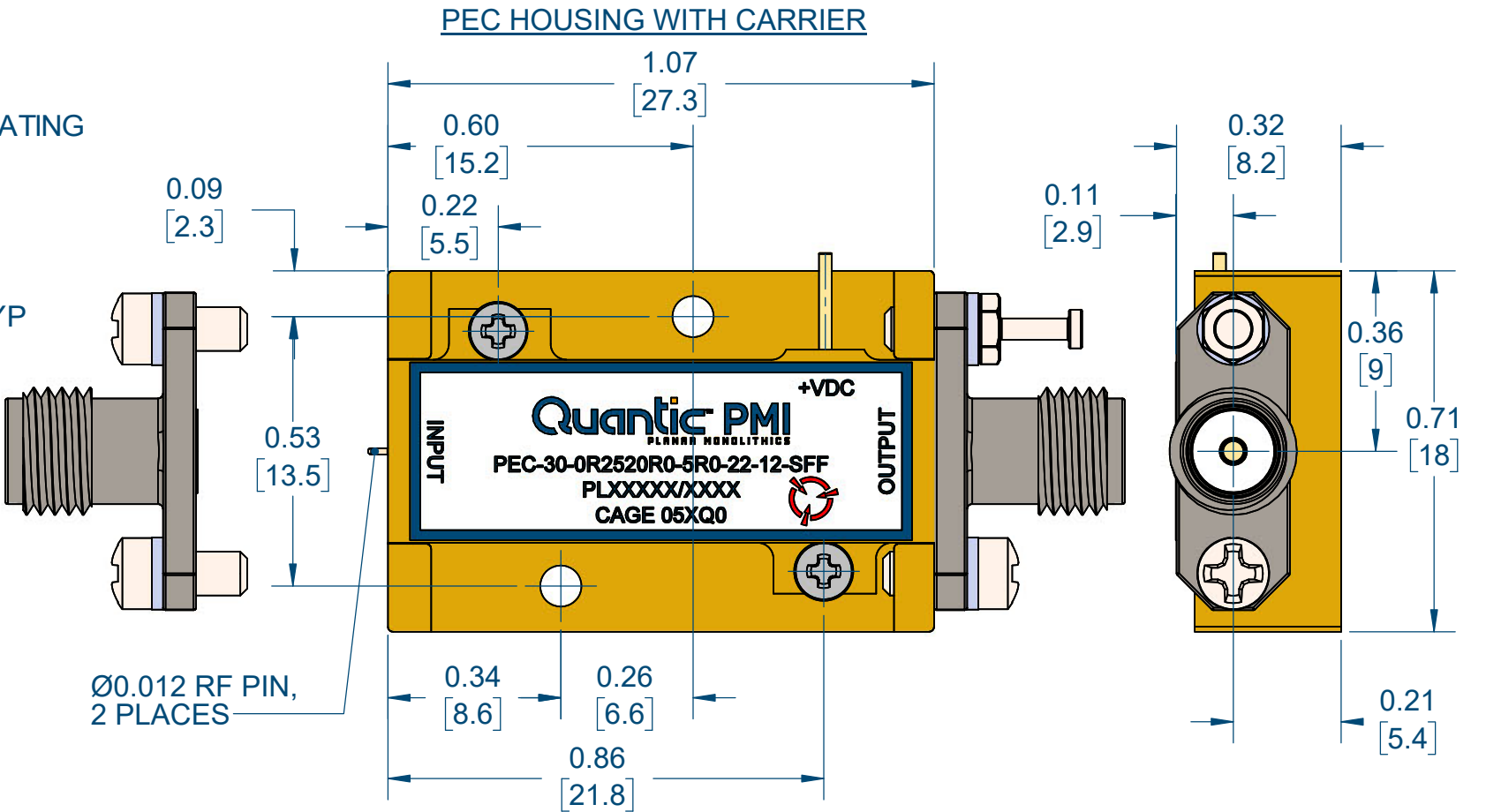
INTERNAL VOLTAGE REGULATION
UNCONDITIONAL STABILITY

AVAILABLE OPTIONS:

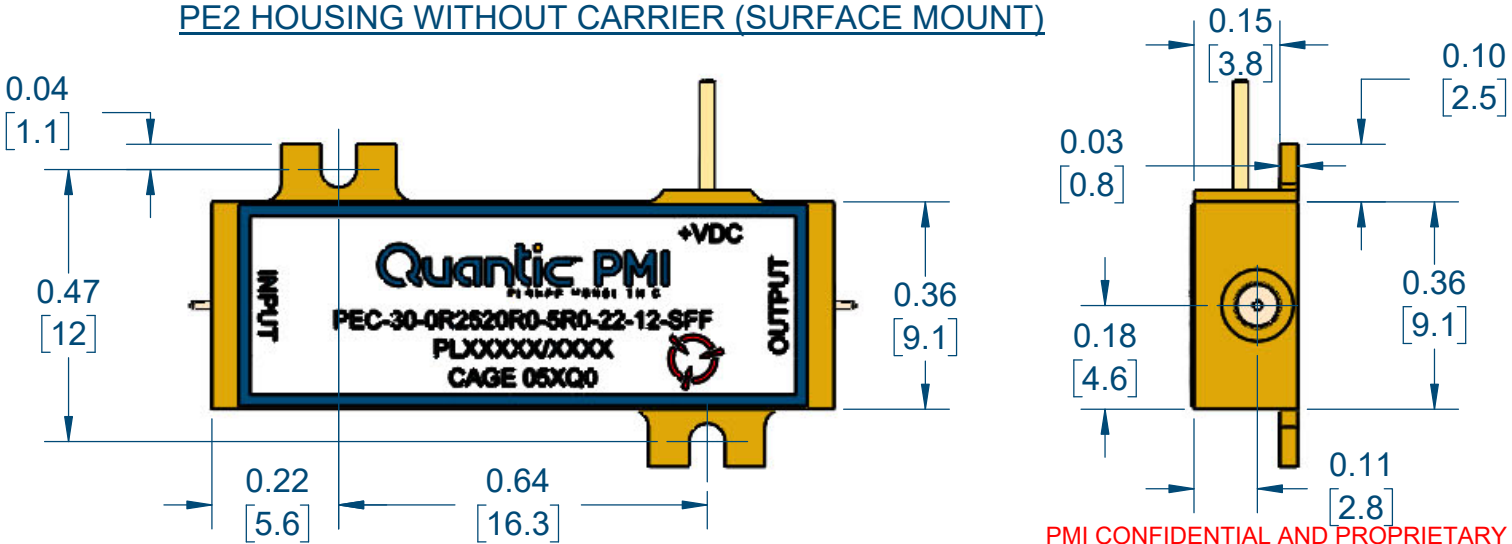
VARIOUS PACKAGE TYPES
VARIOUS CONNECTOR TYPES
TEMPERATURE COMPENSATION
GAIN AND PHASE MATCHING
MIL-STD-883 SCREENING AVAILABLE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -54°C TO +85°C (OPERATING)
..... -57°C TO +100°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



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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

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

APPROVALS	DATE
DRAWN SPH	11/27/2017
REDRAWN	
ISSUED	

Quantic PMI

PLANAR MONOLITHICS

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ISO 9001 CERTIFIED

TITLE

OUTLINE

PEC-30-0R2520R0-5R0-22-12-SFF

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27033840	C3

SCALE 3:1	SHEET 1 OF 1
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