

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/21/2025	
	A4	ECN # 25-0269	9/17/2025	
	B1	ECN # 26-0052	3/10/2026	

DESCRIPTION:

LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING AND CAN BE USED AS A SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT. OTHER PACKAGES AND CONNECTOR TYPE ARE AVAILABLE.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 2 GHz TO 18 GHz
- GAIN:..... +20 dB TYP
- GAIN FLATNESS:..... ±2.0 dB MAX
- NOISE FIGURE:..... 4 dB TYP
- OP1dB:..... +14 dBm MIN
- VSWR INPUT/OUTPUT:..... 2.0:1 MAX
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... 180 mA Iq MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

FEATURES:

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

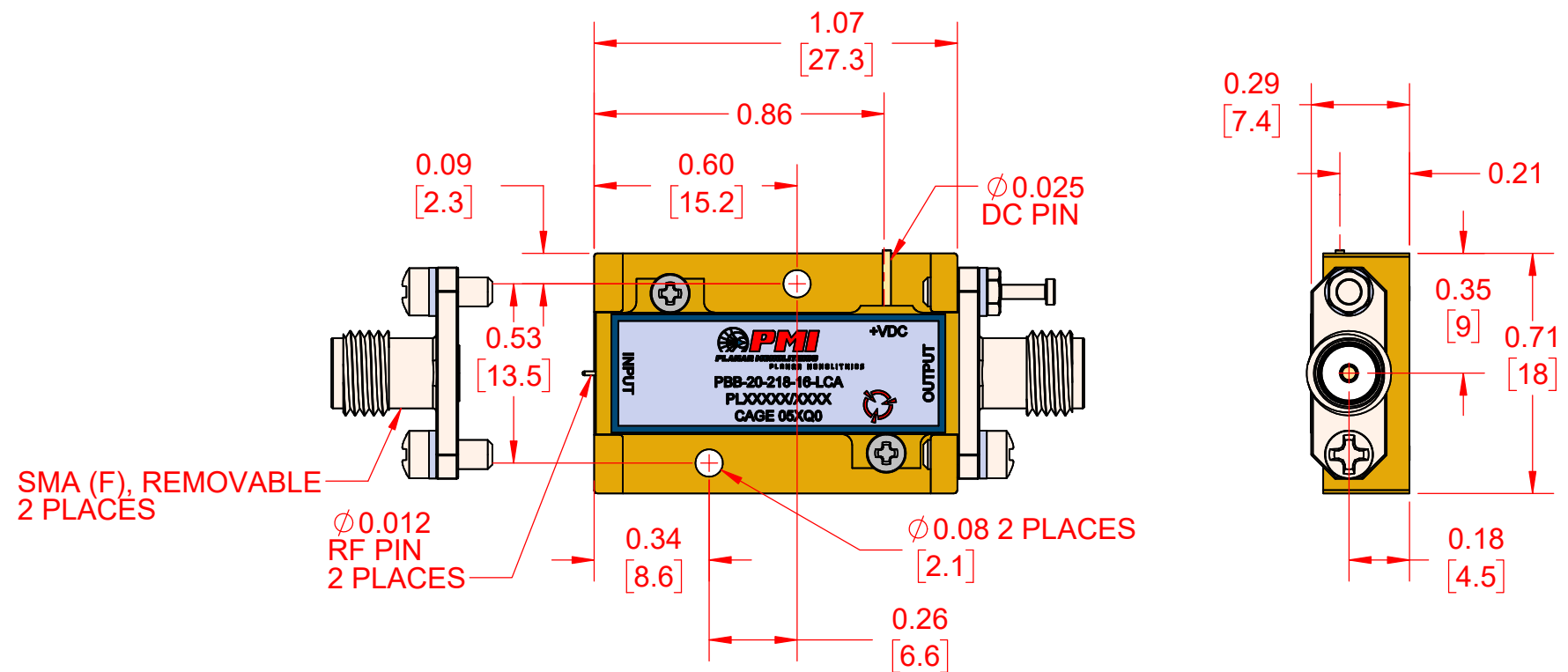
AVAILABLE OPTIONS:

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

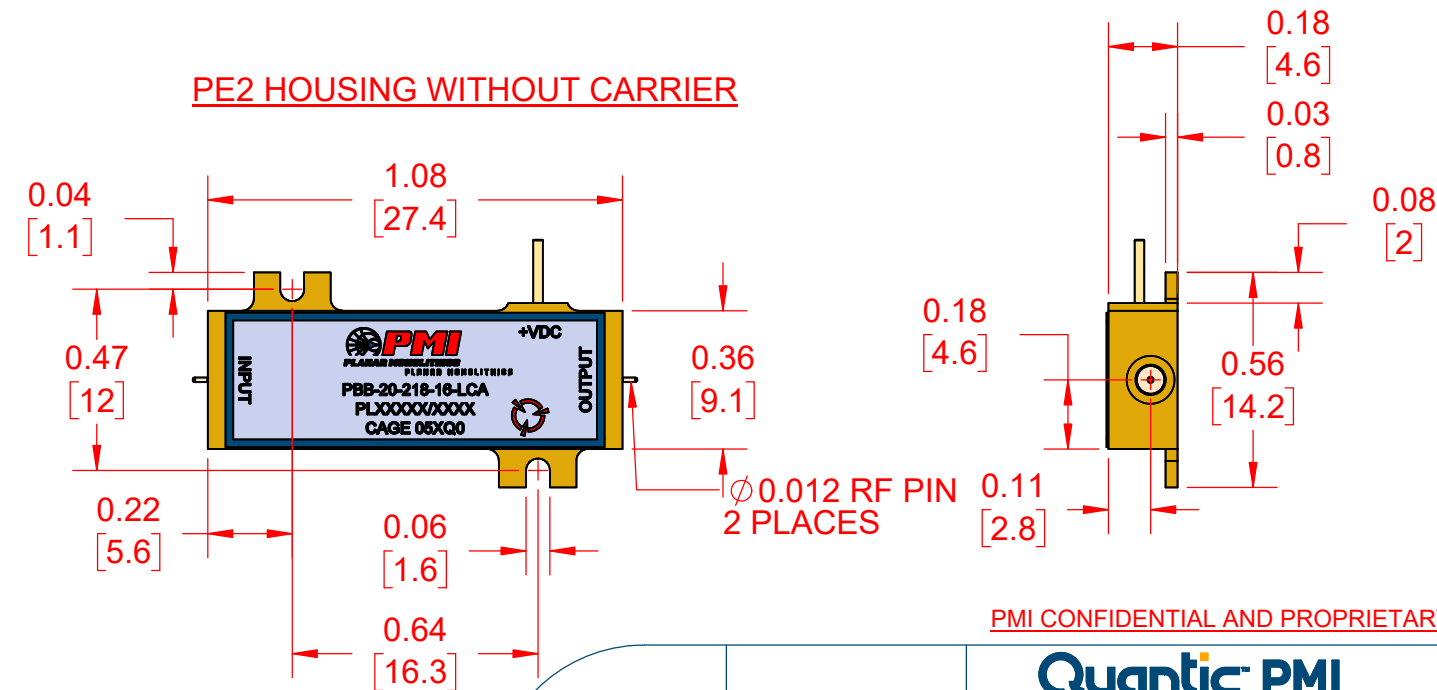
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -20°C TO +70°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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DRAWN	KM	10/3/2005	PRODUCT FEATURE	
REDRAWN			PBB-20-218-16-LCA	
ISSUED			SIZE	FSCM NO.
			B	05XQ0
			DWG NO.	PBB-20-218-16-LCA
			REV.	B1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:			SCALE 2:1	
FRACTIONS	DECIMALS	ANGLES	SHEET 1 OF 1	
±	.XX ± 0.02	±		
	.XXX ± 0.01			

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