

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/2/24	

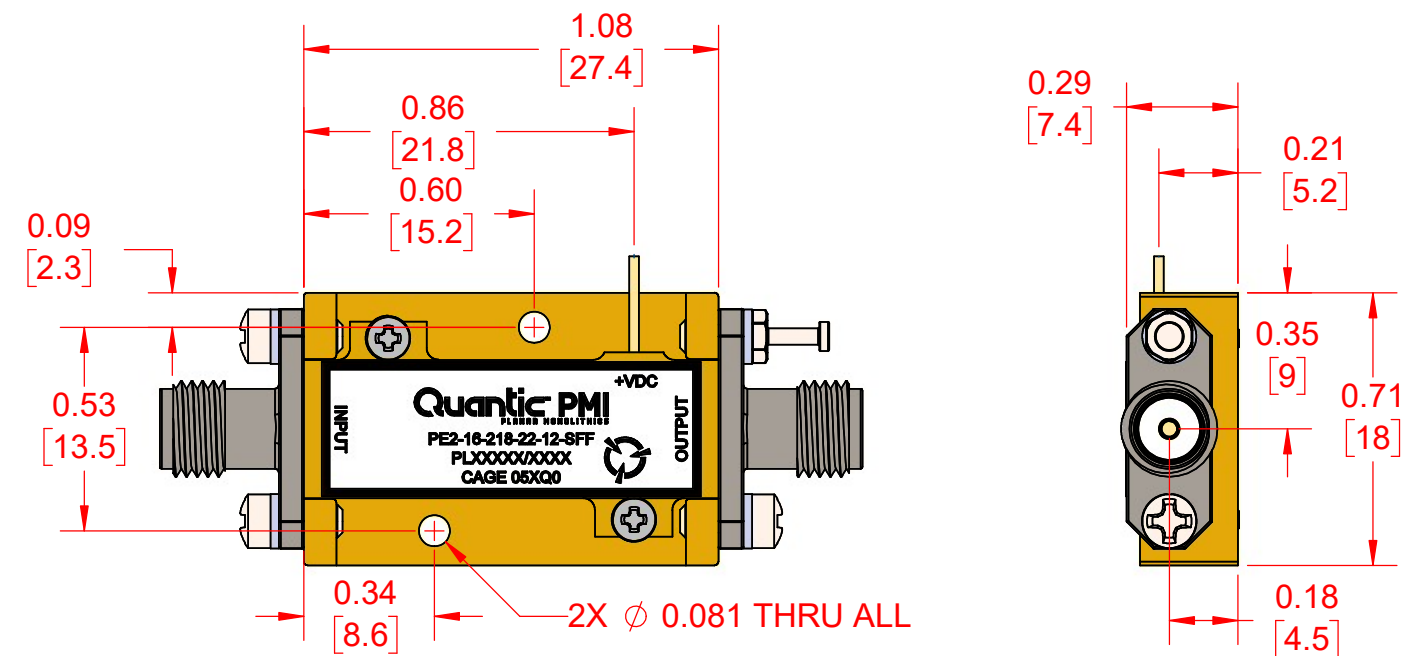
DESCRIPTION:

PMI MODEL NUMBER PE2-16-218-22-12-SFF IS A 2 TO 18 GHz LOW NOISE AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR SURFACE MOUNT COMPONENT.

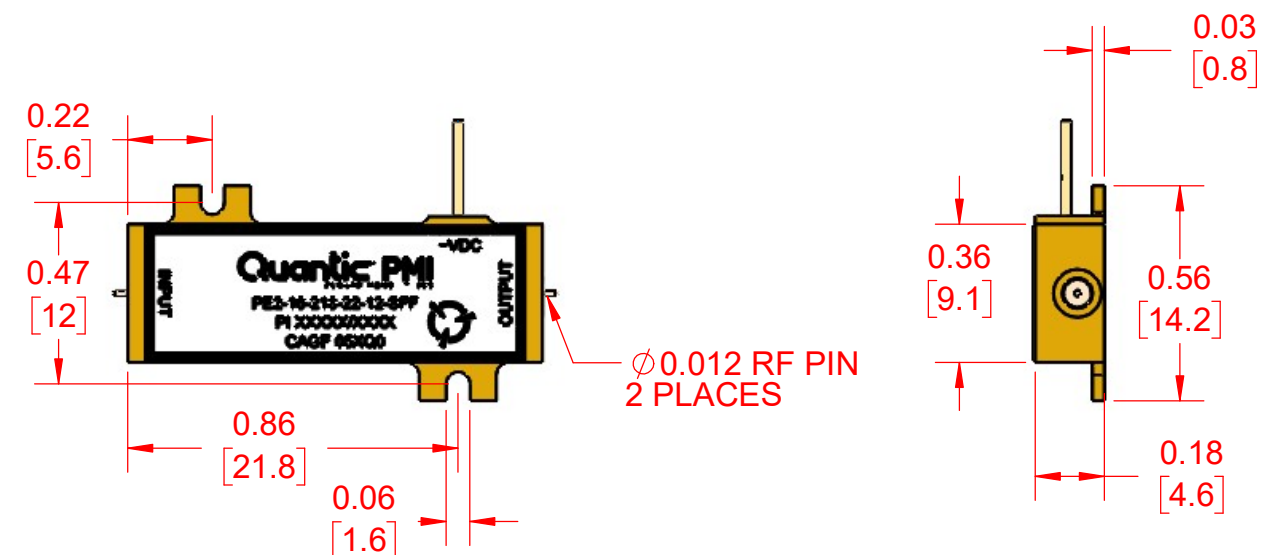
SPECIFICATIONS:

- FREQUENCY RANGE:..... 2.0 TO 18.0 GHz
- GAIN:..... 16 dB TYP
15 dB MIN
- GAIN FLATNESS:..... ±1.0 dB MAX
- NOISE FIGURE:..... 6 dB MAX
- OP1dB:..... +21 dBm MIN
- RF INPUT POWER:..... +23 dBm MAX
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... Iq = 200 mA MAX
Ipsat = 300 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°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

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	 <small>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</small>	
DRAWN R. SIRK		DATE		TITLE		
REISSUED		5/2/24		OUTLINE		
ISSUED				PE2-16-218-22-12-SFF		
SIZE	FSCM NO.	DWG NO.	REV.			
B	05XQ0	27048780	A1			
SCALE 2:1			SHEET 1 OF 1			