

DESCRIPTION:

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

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.03 TO 26.5 GHz
  - GAIN:..... 15 dB TYP
  - GAIN FLATNESS:..... ±2 dB MAX
  - NOISE FIGURE:..... 5.5 dB TYP\*
  - OP1dB:..... 16 dBm MIN
  - VSWR (INPUT/OUTPUT):..... 2:1 MAX\*\*
  - CONNECTORS:..... SMA (F) REMOVABLE
  - DC VOLTAGE SUPPLY:..... +12 to +15 VDC @ 230 mA MAX
  - SIZE:..... (L) 1.08" X (W) 0.71" X (H) 0.29" \*EXCLUDING CONNECTORS\*
  - FINISH:..... GOLD PLATED
- \* NOISE FIGURE BELOW 500 MHz - NOT DEFINED  
\*\* RETURN LOSS FROM 30 TO 80 MHz - NOT DEFINED

FEATURES:

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

AVAILABLE OPTIONS:

- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- HERMETIC SEALING
- GAIN AND PHASE MATCHING

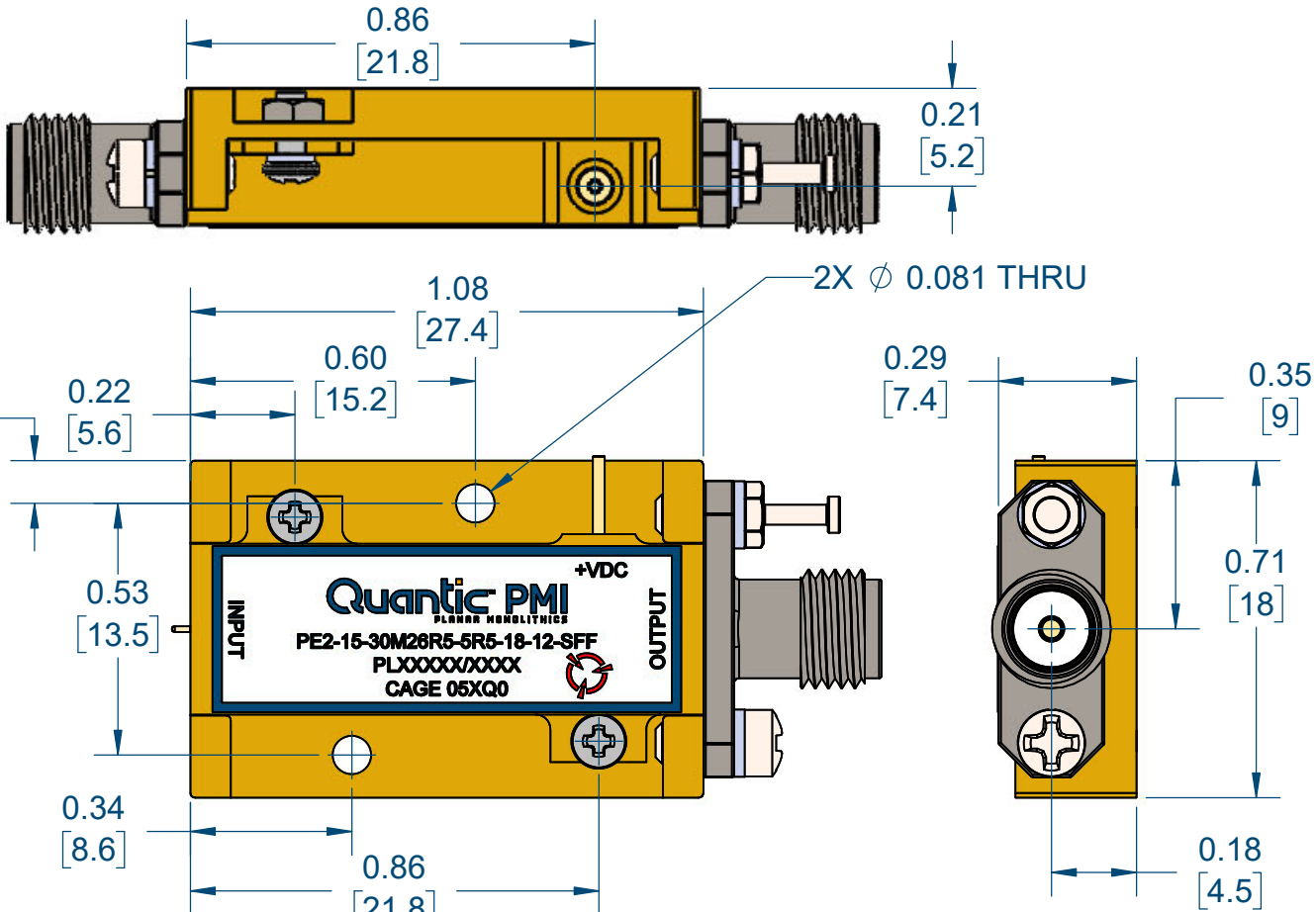
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -20°C TO +70°C (OPERATING)  
..... -55°C TO +85°C (AVAILABLE)  
..... -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

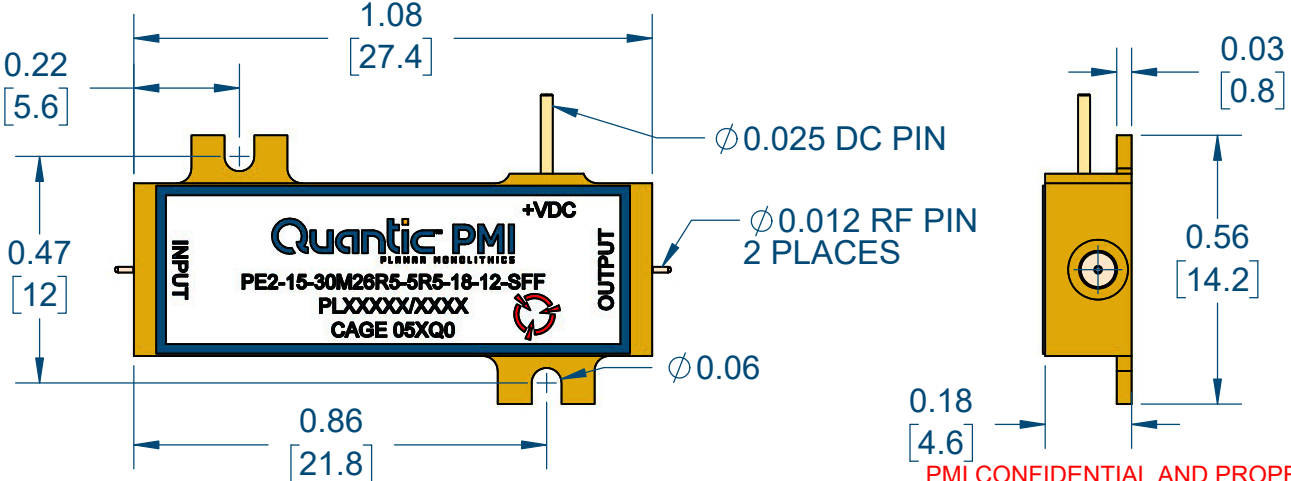
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	5/6/2015	
	A1	ECN # 19-0099	4/5/2019	
	A2	ECN # 25-0110	4/10/2025	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER



PMI CONFIDENTIAL AND PROPRIETARY

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			APPROVALS		DATE		TITLE	
			DRAWN VR		5/6/2015			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                .XX ± 0.02        ± .XXX ± 0.01			REDRAWN		OUTLINE			
			ISSUED		PE2-15-30M26R5-5R5-18-12-SFF			
							SIZE	FSCM NO.
					B	05XQ0	27025472	A2
					SCALE 2:1			SHEET 1 OF 1