

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/15/2010	
	B1	ECN # 25-0278	10/7/2025	
	B2	ECN # 26-0006	1/9/2026	

**DESCRIPTION:**

PMI MODEL NUMBER PE2-30-3R58R5-1R5-10-12-SFF IS A 3.5 TO 8.5 GHz AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 3.5 TO 8.5 GHz
- GAIN:..... 32 dB TYP, 30 dB MIN
- GAIN FLATNESS:..... ±1.5 dB MAX
- NOISE FIGURE:..... 2.5 dB MAX
- OP1dB:..... +14 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... 200 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

**FEATURES:**

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY
- STANDARD OPERATING TEMPERATURE (-55C TO +85C)

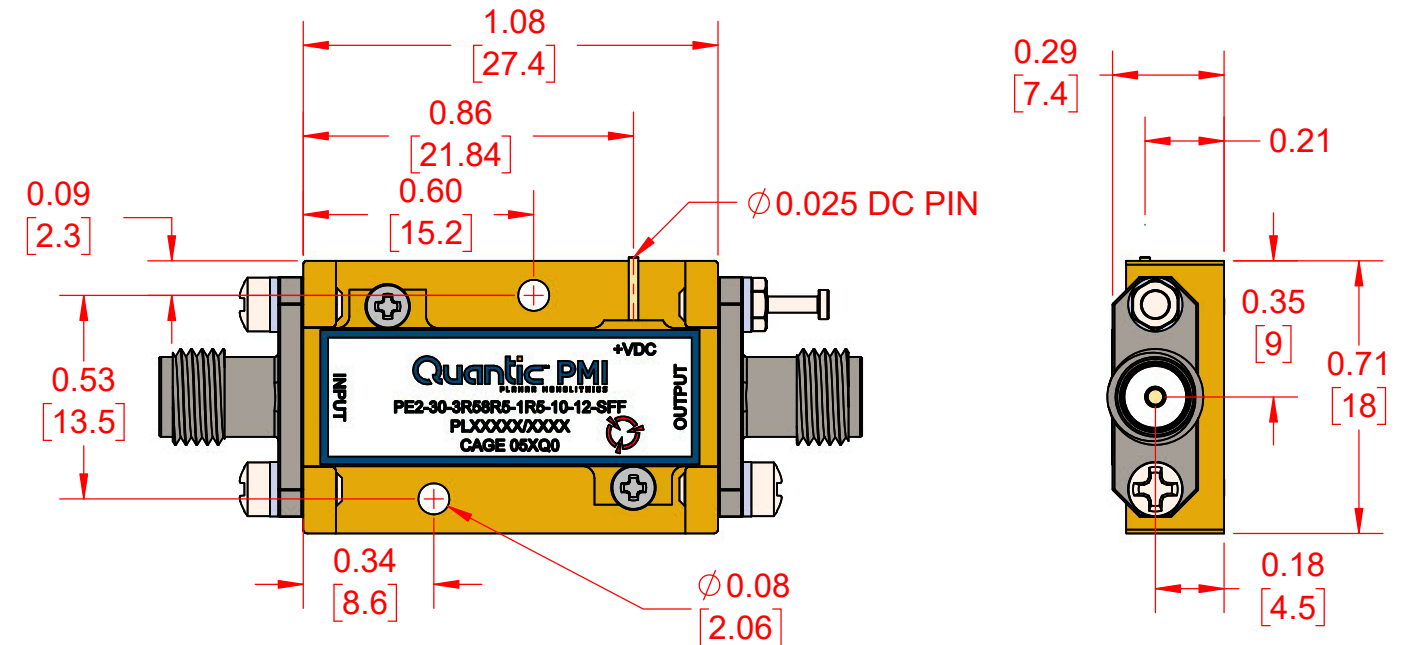
**AVAILABLE OPTIONS:**

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

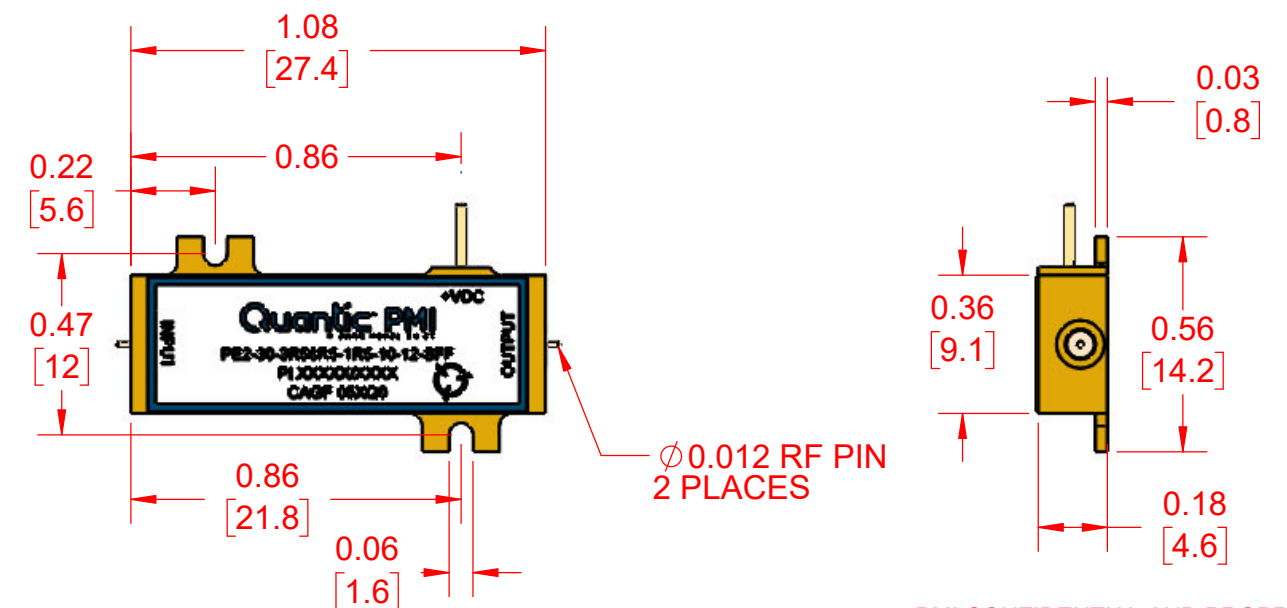
**ENVIRONMENTAL RATINGS:**

- 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

**PE2 HOUSING WITH CARRIER**



**PE2 HOUSING WITHOUT CARRIER**



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		 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	
DRAWN DPD		3/9/2010		TITLE OUTLINE	
REISSUED				PE2-30-3R58R5-1R5-10-12-SFF	
ISSUED				SIZE B	FSCM NO. 05XQ0
				DWG NO. 27005442	REV. B2
				SCALE 2:1	SHEET 1 OF 1