

DESCRIPTION:

PMI MODEL NUMBER: PEAFS3-14-0R2535R0-6R5-23-12-292MF IS AN 8 TO 18 GHz LOW NOISE AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	04/04/2023	
	A2	ECN # 24-0198	07/24/2024	
	A3	ECN # 26-0090	05/01/2026	

SPECIFICATIONS:

- FREQUENCY RANGE: ----- 8 TO 18 GHz
 - GAIN: ----- 12.2 dB MIN
 - GAIN FLATNESS: ----- ±1 dB MAX
 - NOISE FIGURE: ----- 4 dB TYP, 5 dB MAX
 - OP1dB: ----- 24 dBm MIN
 - VSWR (INPUT/OUTPUT): ----- 2.0:1 MAX
 - INPUT POWER: ----- +25 dBm MAX
 - DC VOLTAGE SUPPLY: ----- +10V FIXED @ Iq = 300 mA TYP*
 - CONNECTORS: ----- SMA MALE (IN) FEMALE (OUT)
 - FINISH: ----- GOLD PLATED
- *NO INTERNAL VOLTAGE REGULATION OR REVERSE PROTECTION

FEATURES:

UNCONDITIONAL STABILITY

AVAILABLE OPTIONS:

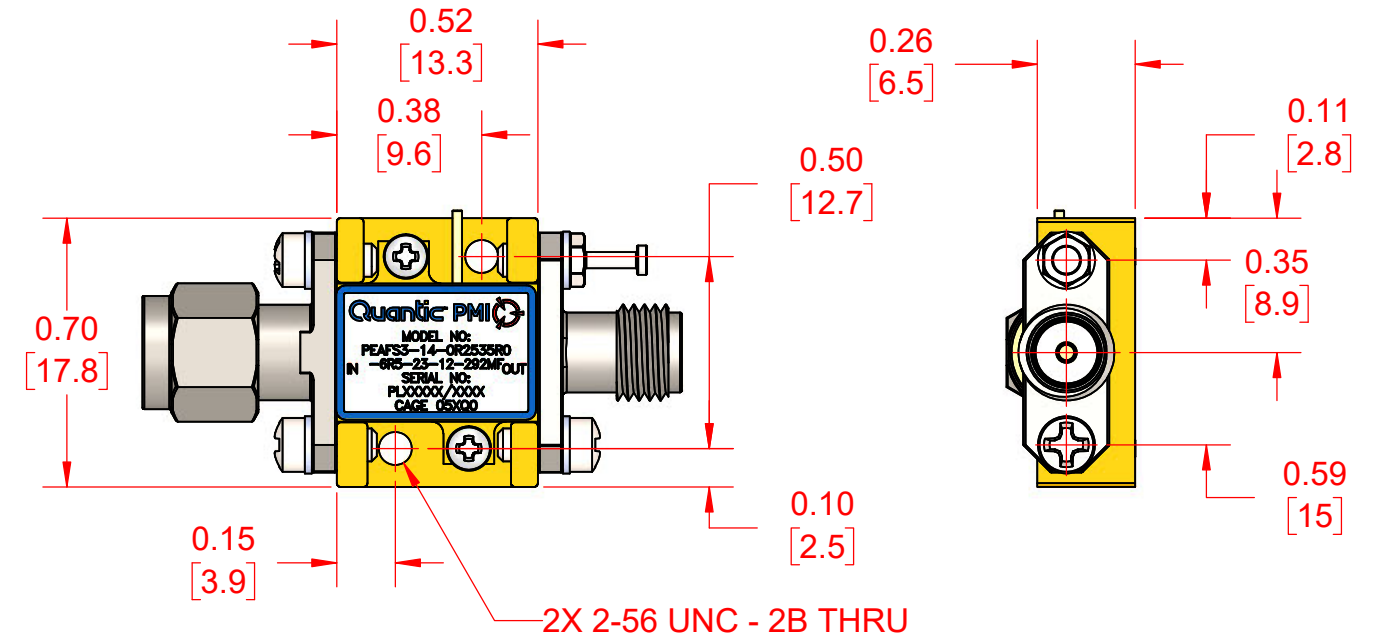
- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

ENVIRONMENTAL RATINGS:

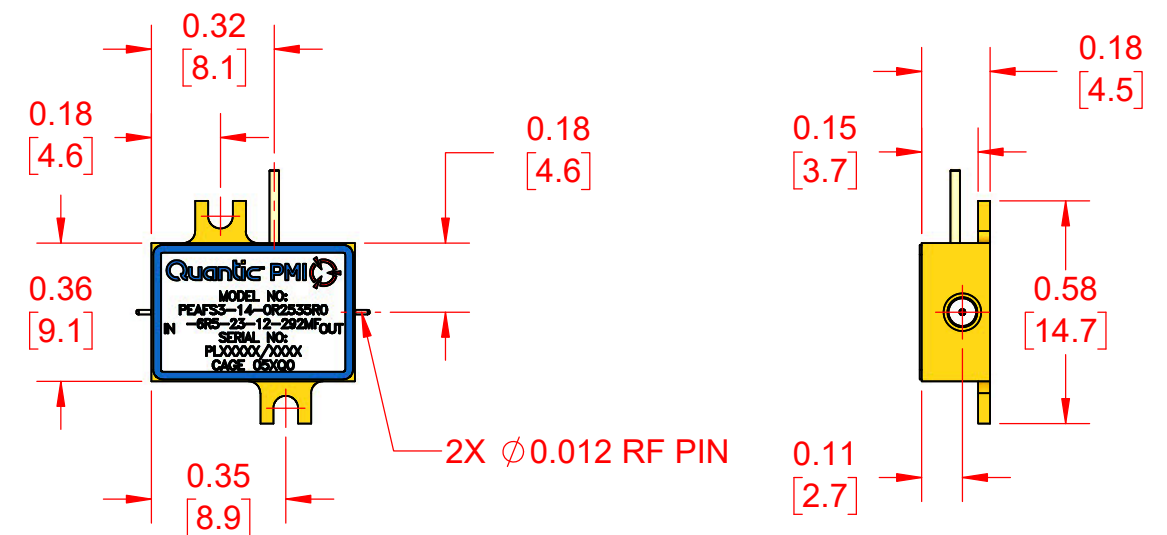
- TEMPERATURE: ----- -40°C TO +85°C (OPERATING)
----- -40°C TO +100°C (STORAGE)
- HUMIDITY: ----- MIL-STD-202F, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE: ----- MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202F, METHOD 107D COND. A

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

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN: J ESCANO REDRAWN: ISSUED:		DATE 04/04/2023	TITLE OUTLINE PEAFS3-14-0R2535R0-6R5-23-12-292MF		REV. A3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		SIZE B	FSCM NO. 05XQ0	DWG NO. 26946200	SCALE 2:1 SHEET 1 OF 1

Quantic PMI
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