

DESCRIPTION:

PMI MODEL NUMBER PE2-18-23G25G-SFF IS A 23 TO 25 GHz LOW NOISE AMPLIFIER FEATURING S21 GREATER THAN 0 dB ONLY BETWEEN 10 AND 45 GHz.

SPECIFICATIONS:

- FREQUENCY: 23 TO 25 GHz
- NOISE FIGURE: 4 dB TYP
- SMALL SIGNAL GAIN: 18 dB MIN @ 24 GHz
- S21 BELOW 10 GHz: 0 dB MAX
- S21 ABOVE 45 GHz: 0 dB MAX
- GAIN FLATNESS: 0.75 dB MAX
- OP1dB: 23 dBm TYP
- OIP3: 36 dBm TYP
- INPUT VSWR: 2.0:1 MAX
- OUTPUT VSWR: 2.0:1 MAX
- INPUT POWER: 25 dBm CW MAX
- POWER SUPPLY: +15 VDC @ 160 mA TYP
- RF CONNECTORS: 2.92 mm FEMALE
- FINISH: GOLD PLATED

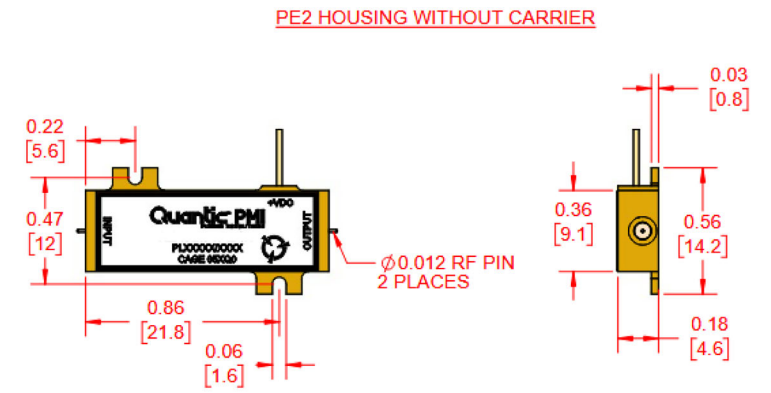
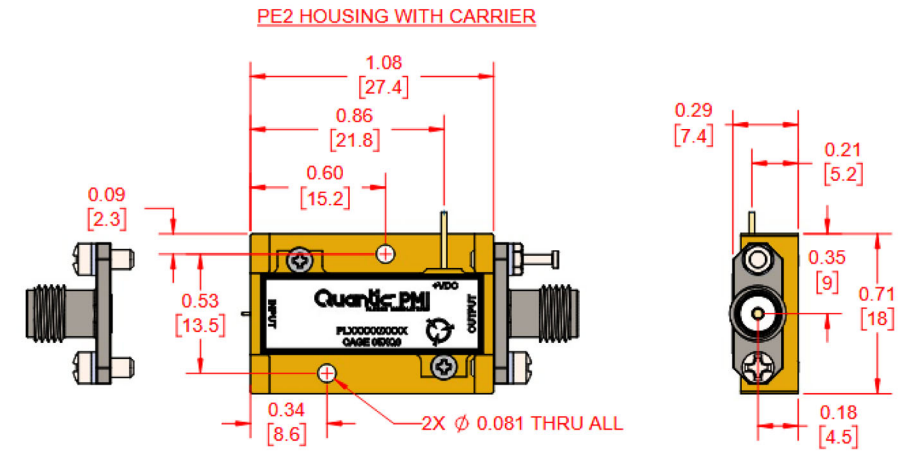
ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- **HUMIDITY:** MIL-STD-202, METHOD 103B COND. B
- **SHOCK:** MIL-STD-202, METHOD 213B COND. B
- **VIBRATION:** MIL-STD-202, METHOD 204D COND. B
- **ALTITUDE:** MIL-STD-202, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** MIL-STD-202, METHOD 107D COND. A

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010
WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	03/03/26	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
	AG	03/03/26	PRODUCT FEATURE PE2-18-23G25G-SFF		
DRAWN			SIZE	FSCM NO.	DWG NO.
CHECKED			A	05XQ0	PRELIMINARY
ISSUED			SCALE	N:S	SHEET 1 OF 1