REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	03/30/26	

DESCRIPTION:

PMI MODEL NUMBER PE2-20-30M2G-6R0-10-15-SFF-HERM IS A 0.03 TO 2.0 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:

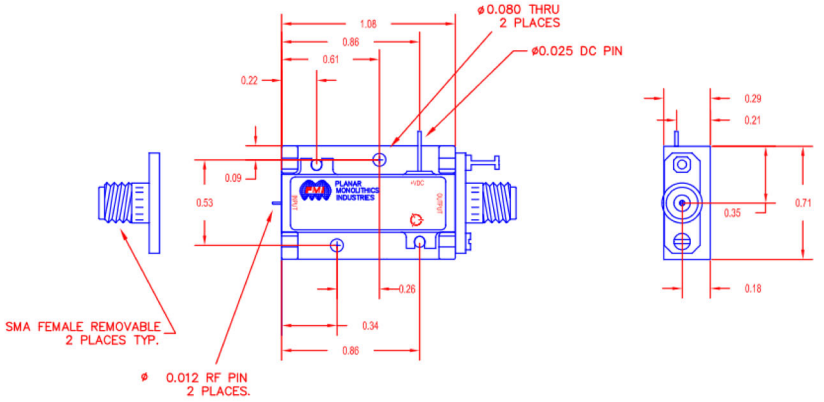
- FREQUENCY: ..... 0.03 TO 2.0 GHz
- GAIN: ..... 26 dB TYP
- GAIN FLATNESS: ..... ±2.0 dB MAX
- NOISE FIGURE: ..... 6.0 dB MAX
- OP1dB: ..... +10 dBm MIN
- VSWR: ..... 2.0:1 MAX
- POWER SUPPLY: ..... +12 TO +15 VDC @ 300 mA MAX
- RF CONNECTORS: ..... SMA FEMALE CONNECTORS
- FINISH: ..... GOLD PLATED
- SEALING: ..... HERMETIC

FEATURES:

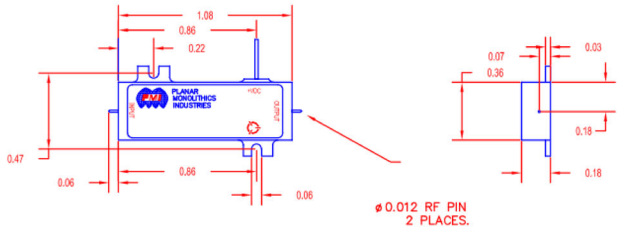
INTERNAL VOLTAGE REGULATION

UNCONDITIONAL STABILITY

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



ENVIRONMENTAL RATINGS

- **TEMPERATURE:** ..... −40°C TO +71°C (OPERATING)
  −54°C TO +95°C (STORAGE)
- **HIGH OPERATING TEMP** MIL−STD−810H, METHOD 501.7 PROCEDURES I AND II
- **LOW OPERATING TEMP** MIL−STD−810H, METHOD 502.7 PROCEDURES I AND II
- **ALTITUDE** ..... UP TO 40,000 FT.
  UP TO 60,000 FT. FOR 2 MINUTES MAX
- **HUMIDITY** ..... UP TO 100% RH
- **RANDOM VIBRATION** MIL−STD−810H, METHOD 514.8 PROCEDURE I
- **MECHANICAL SHOCK** MIL−STD−810H, METHOD 516.8 PROCEDURE I

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.

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN AG	03/30/26
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
PE2−20−30M2G−6R0−10−15−SFF−HERM

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	−

SCALE N:S SHEET 1 OF 1