

DESCRIPTION

PMI MODEL: PEC-30-24G40G-4R0-24-292FF IS A LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR SURFACE MOUNTED COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. DATA IS AVAILABLE UPON REQUEST.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 24.0 TO 40.0 GHz
- GAIN: ----- 26 dB MINIMUM
- GAIN FLATNESS: ----- ± 1.5 dB TYPICAL, ± 2.5 dB MAXIMUM
- NOISE FIGURE: ----- 6.5 dB MAXIMUM
- OP1dB: ----- +19 dBm MINIMUM
- VSWR (INPUT/OUTPUT): ----- 2.5:1 MAXIMUM
- DC VOLTAGE SUPPLY: ----- +8 VDC
- DC CURRENT DRAW: ----- 500 mA MAXIMUM
- CONNECTORS: ----- 2.92mm FEMALE (X2)
- FINISH: ----- GOLD PLATED

FEATURES

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

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 +75 °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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

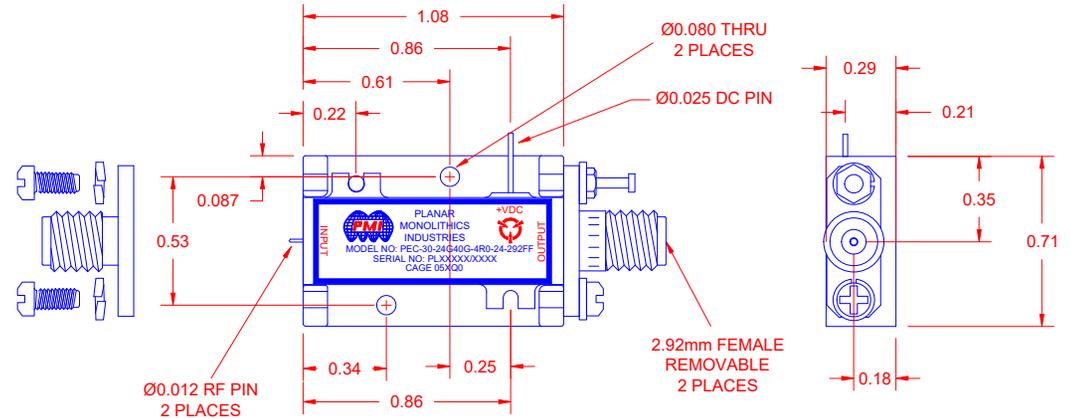
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

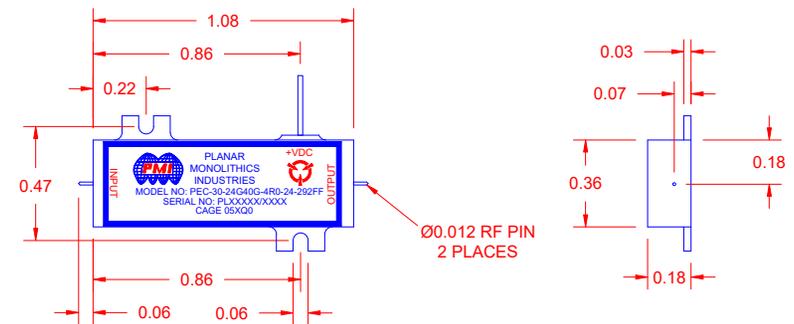
PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL PMI DESIGN RELEASE	02/25/17	
	B1	ECN # 19-0076	03/08/19	
	B2	ECN # 25-0182	06/16/25	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		02/25/18	PRODUCT FEATURE PEC-30-24G40G-4R0-24-292FF 24.0 to 40.0 GHz Low Noise Amplifier		
CHECKED	SIZE A	FSCM NO. 05XQ0	DWG NO. 27031161	REV. B2	
ISSUED	SCALE N:S	SHEET		1 OF 1	