

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/24/17	

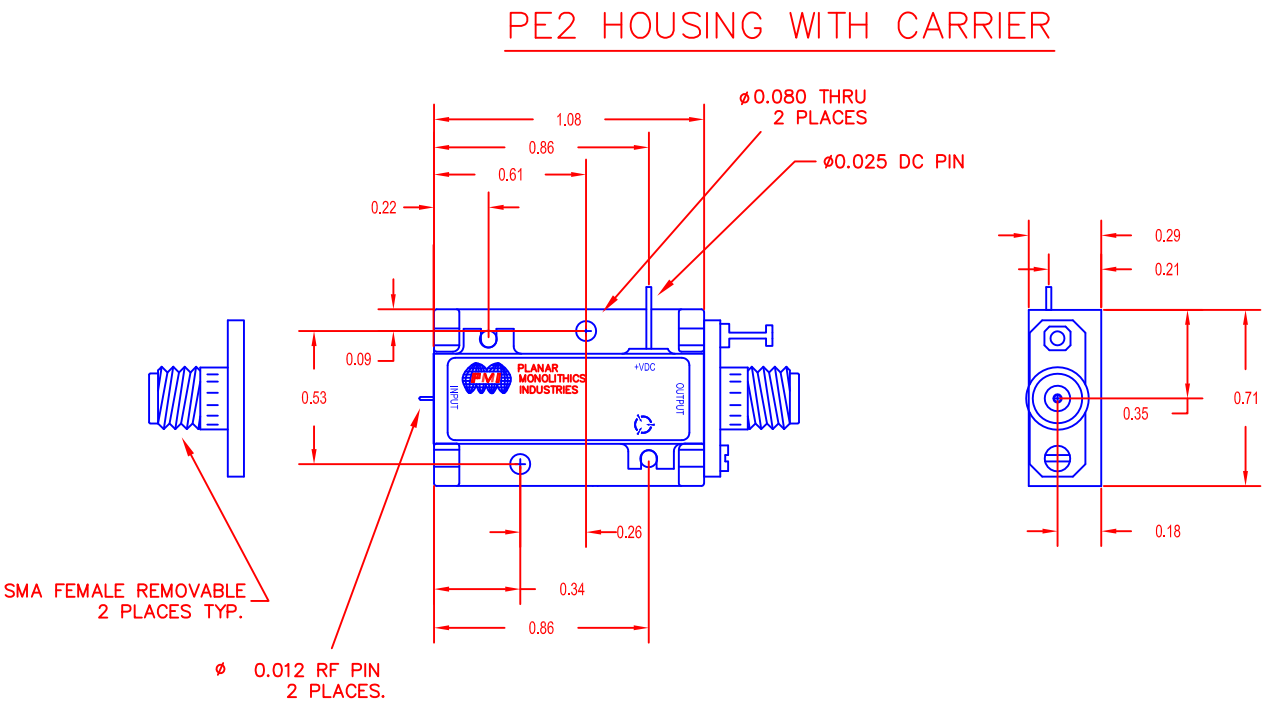
Description:

PMI Model Number PE2-24-12D5G14D5G-4R0-15-12-SFF is a 12.5 to 14.5 GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

This model provides the following performance. Data is available upon request.

Specifications:

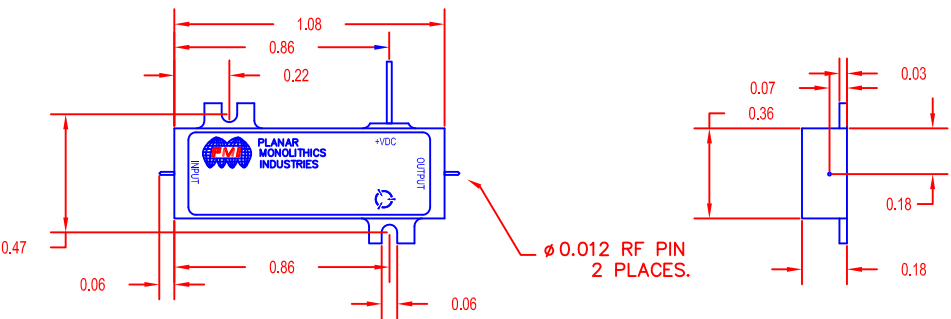
Frequency Range:	12.5 to 14.5 GHz
Gain:	22dB Min. / 26dB Max.
Gain Flatness:	+/- 1.0dB Max.
Noise Figure:	3.5dB Max. (0 to +50 Degrees C)
Spurious:	-70dB Max. (from 0 to 20 GHz @ -20dBm Input)
OP1dB:	+13dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	180mA Max.
Connectors In/Out	SMA Female



Features:

- Internal Voltage Regulation
- Unconditional Stability
- Standard Operating Temperature -55 to +85 Deg. C

PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



Environmental Ratings:

Temperature:	-55 to +85 Deg. C (Operating)
	-65 to +125 Deg. 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: The above specifications are subject to change or revision.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
 ± .XX ± 0.010 ±
 .XXX ± 0.005

PART NO.		APPROVALS		DATE	TITLE		MATERIAL:		FINISH:		DO NOT SCALE DRAWING	
6061-T6 Aluminum		SPH		8/24/17	PE2 Series Amplifier		GOLD PLATED					
B		05XQ0			PRELIMINARY							
N/A												