

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/29/14	

Description:

PMI Model Number POB-28-48-15-LCA is a 4 to 8 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: 4 to 8 GHz
Gain: 28 dB Typ.
Gain Flatness: +/- 1.25 dB Max.
Noise Figure: 3.0 dB Typ.
OP1dB: +15 dBm Typ.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 150 mA Typ.
Connectors In/Out: SMA Female

Features:

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

Available Options:

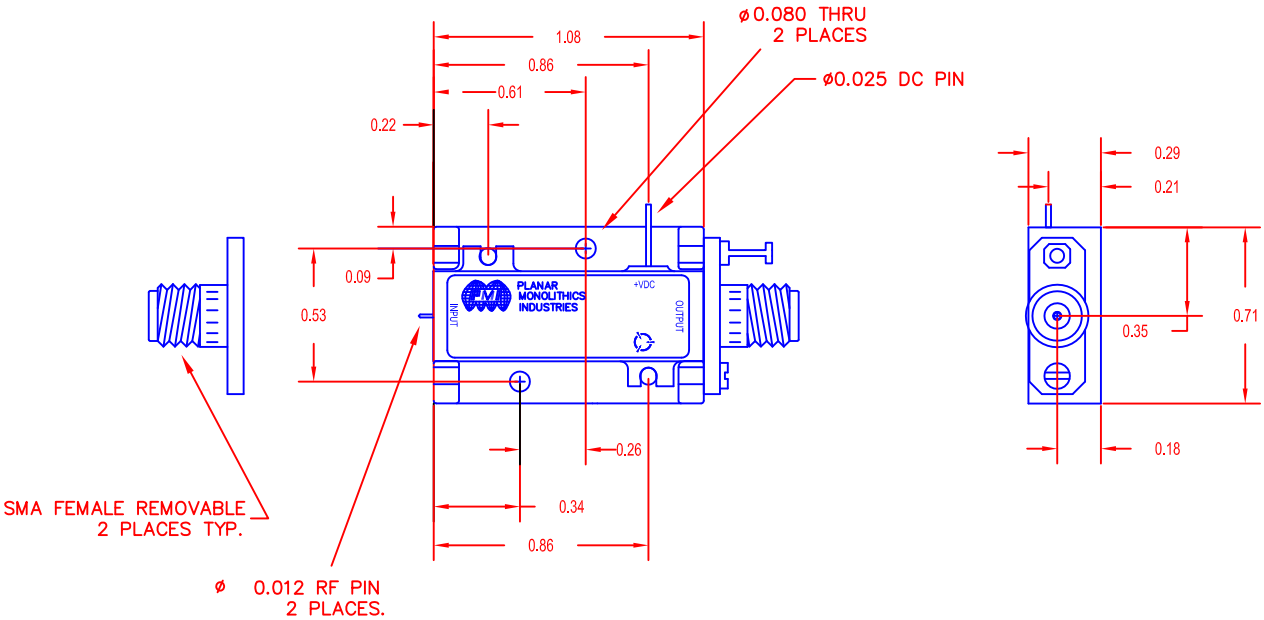
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

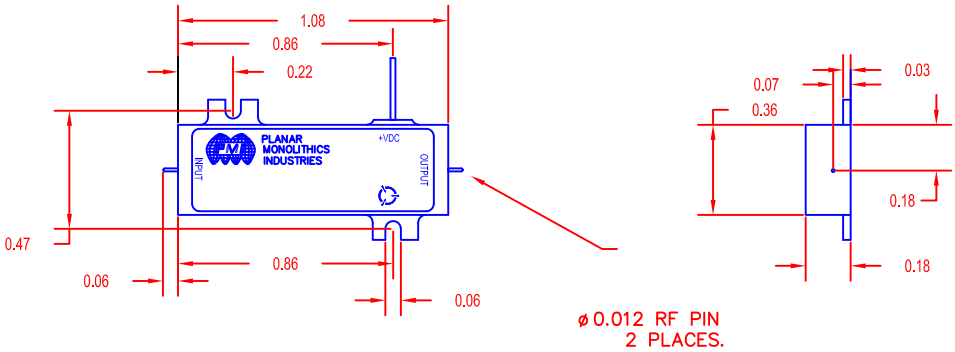
Temperature: -55 to +85 Deg. C (Operating)
-65 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.020 ±
.XXX ± 0.010

	PART NO.		 7311-F GROVE ROAD FREDERICK, MARYLAND			
	APPROVALS	DATE				
MATERIAL: 6061-T6 Aluminum	DRAWN JS	7/29/14	TITLE PE2 Series Amplifier POB-28-48-15-LCA			
	Modified					
FINISH: GOLD PLATED	ISSUED		SIZE B	CAGE CODE 05XQ0	DWG NO. PRELIMINARY	REV. —
	DO NOT SCALE DRAWING		SCALE N/A			SHEET 1 OF 1