

Description:

Part Number POB-17-24-22-LCA is a 2.0 to 4.0 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: 2.0 to 4.0 GHz
Gain: 17 dB Typ.
Gain Flatness: +/- 1.0 dB Max.
Noise Figure: 3.5 dB Typ.
OP1dB: +20 dBm Min, +22 dBm Typ.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12VDC
DC Current Draw: 180mA Typ.
Connectors In/Out: SMA Female

Features:

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

Available Options:

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

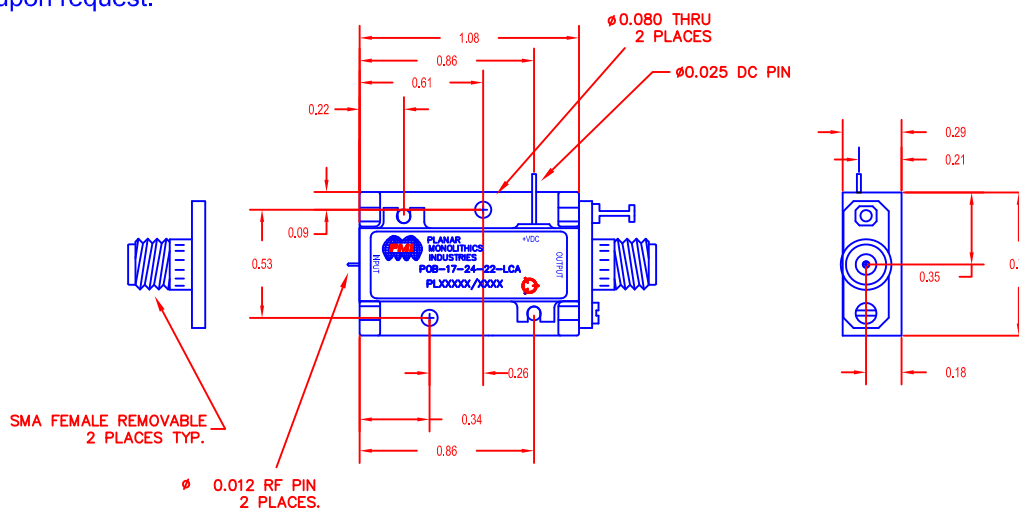
Environmental Ratings:

Temperature: -55°C to +85°C (Operating)
..... -65°C to +125°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

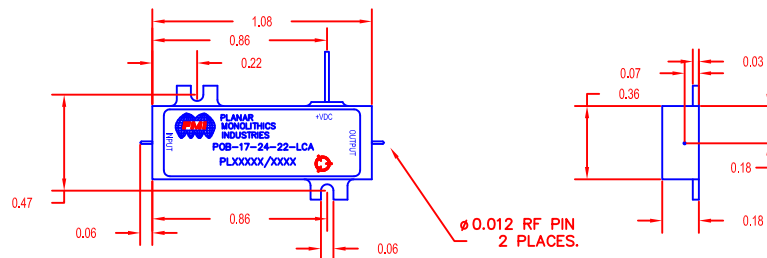
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/9/10	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2008 CERTIFIED



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

APPROVALS		DATE		TITLE			
DRAWN		DPD		PRODUCT FEATURE			
MODIFIED		SFK		POB-17-24-22-LCA			
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		POB-17-24-22-LCA		A	
SCALE		N: S		SHEET		1 OF 1	