

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

Description:

Part Number 27007942 (Model Number PE2-25-8G12G-2R5-15-12-SFF) is a 8 to 12 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: 8 to 12 GHz
Gain: 25dB Typ.
Gain Flatness: +/- 1.0dB Max.
Noise Figure: 2.5dB Max.
OP1dB: +15dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 200mA Max.
Connectors In/Out: SMA Female

Features:

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

Available Options:

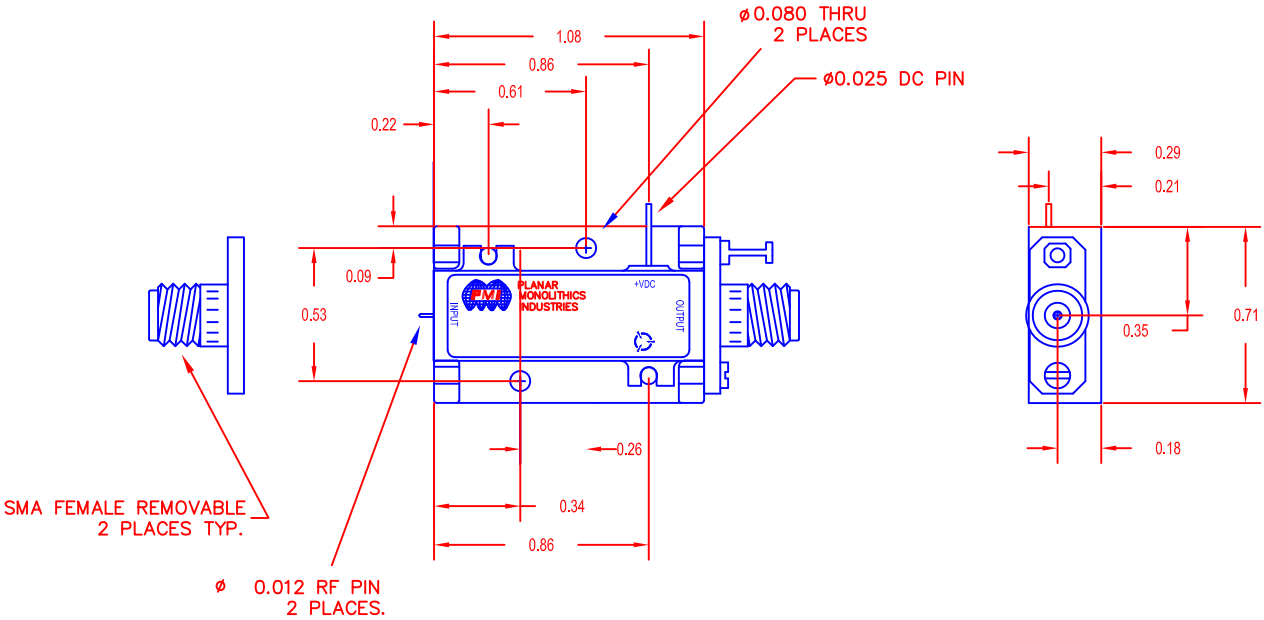
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

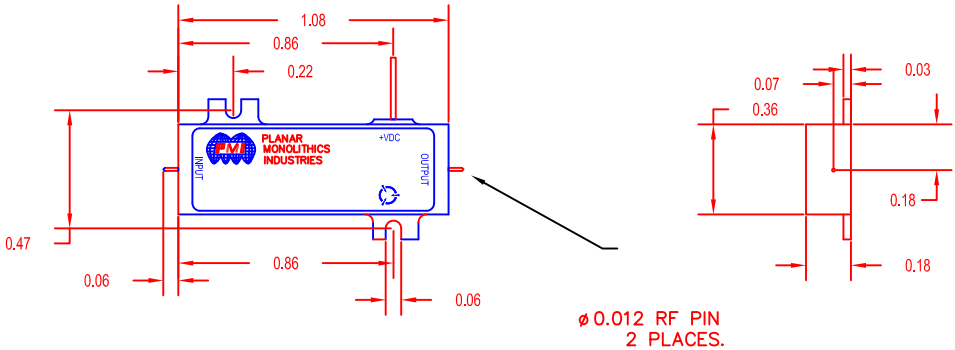
Temperature: -55 to +85 Deg. C (Operating)
-65 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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 ± 0.010 ±
.XXX ± 0.005

PART NO.		APPROVALS		DATE	TITLE		SIZE		CAGE CODE	DWG NO.	REV.
MATERIAL:		DRAWN		3/9/10	PE2 Series Amplifier		B		05XQ0	27007942	A
FINISH:		Modified		12/10/10	PE2-25-8G12G-2R5-15-12-SFF		ISSUED				
GOLD PLATED											
DO NOT SCALE DRAWING											