

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/15/10	

Description:

Part Number 27007882 (Model Number PE2-15-1R42R5-3R0-10-12-SFF) is a 1.4 to 2.5 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: 1.4 to 2.5 GHz
Gain: 18dB Typ.
Gain Flatness: +/- 1.0dB Max.
Noise Figure: 3.0dB Max.
OP1dB: +10dBm 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:

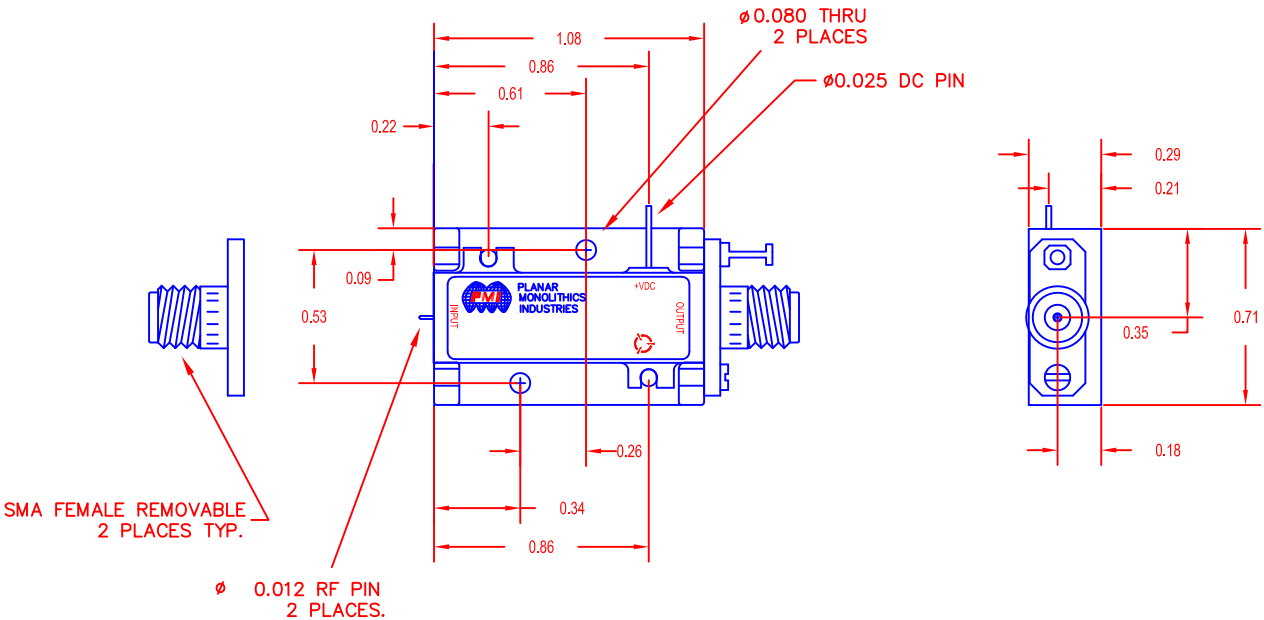
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

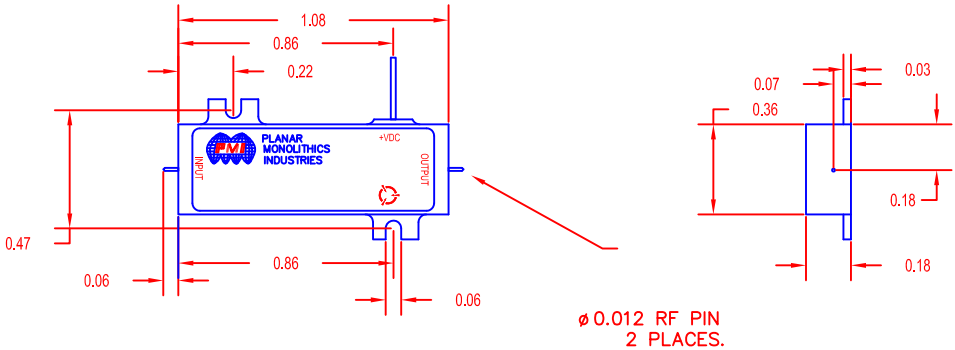
Temperature: -55 to +85 Deg. C (Operating)
-65 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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
 $\pm .XX \pm 0.010$
 $.XXX \pm 0.005$

PART NO.		APPROVALS		DATE	TITLE		SIZE		CAGE CODE	DWG NO.	REV.
MATERIAL:		DRAWN		3/9/10	7311-F GROVE ROAD FREDERICK, MARYLAND		B		05XQ0	27007882	A
FINISH:		Modified		12/15/10	PE2 Series Amplifier PE2-15-1R42R5-3R0-10-12-SFF		ISSUED				
GOLD PLATED							SCALE		N/A	SHEET	1 OF 1
DO NOT SCALE DRAWING											