

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

Description:

Part Number 27005142 (Model Number PE2WR112-40-88R5-12-SFF) is a 5.0 to 8.5 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: 5.0 to 8.5 GHz
Gain: 40dB Typ.
Gain Flatness: +/- 0.75dB Max.
Noise Figure: 1.27dB Max.
OP1dB: +10dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 120mA Max.
Connectors In/Out: SMA Female

Features:

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

Available Options:

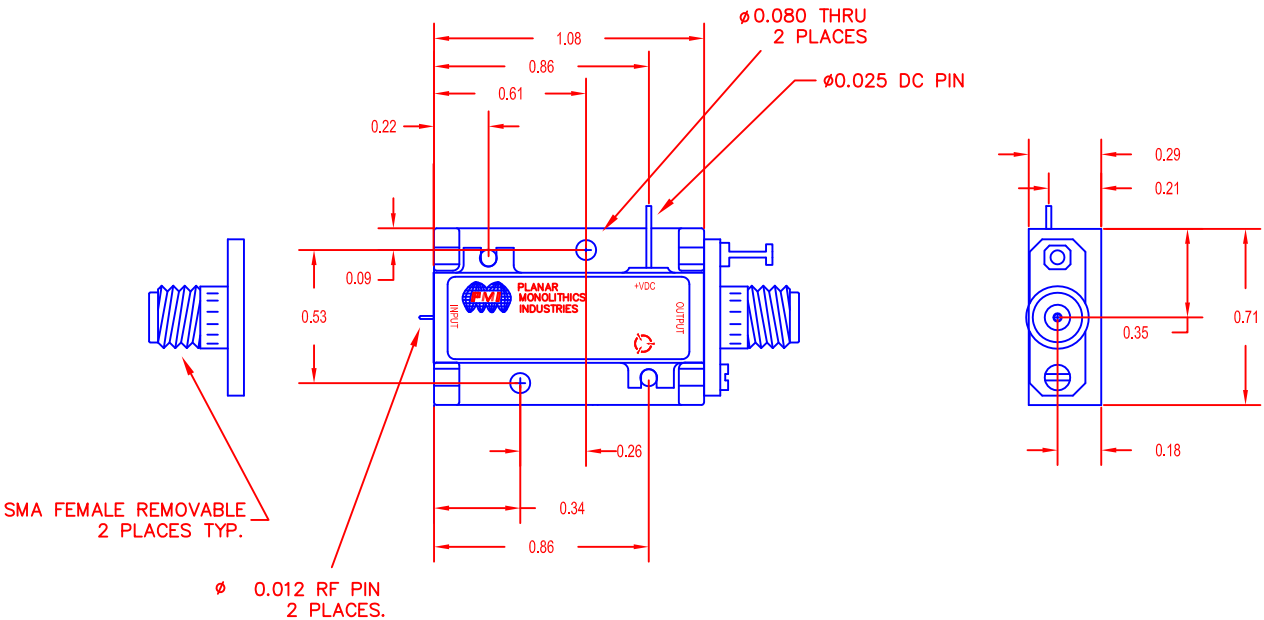
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

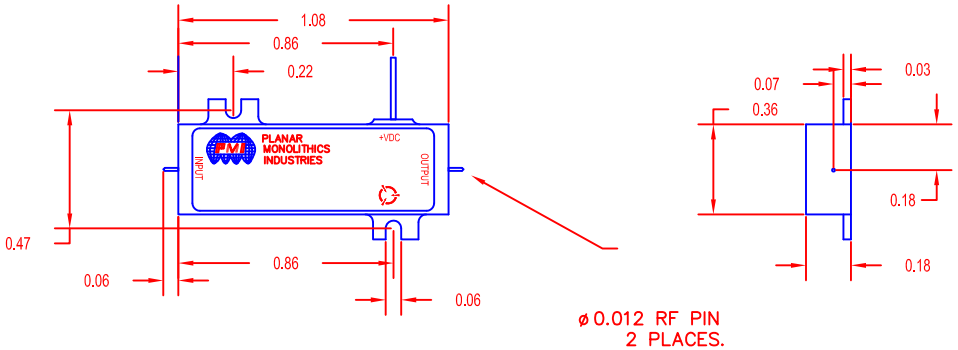
Temperature: -55 to +85 Deg. C (Operating)
-65 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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.		CONFIDENTIAL AND PROPRIETARY			
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APPROVALS		DATE		TITLE	
DRAWN		DPD		3/9/10	
Modified		SFK		12/15/10	
ISSUED					
MATERIAL:		6061-T6 Aluminum		SIZE	
FINISH:		GOLD PLATED		CAGE CODE	
DO NOT SCALE DRAWING				DWG NO.	
				B 05XQ0	
				27005142	
				REV. A	
				SHEET 1 OF 1	