

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/13/10	

Description:

Part Number 27004142 (Model Number PE2-20-811-3R5-15-SFF) is a 8 to 11 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 11 GHz
Gain:	20dB Typ.
Gain Flatness:	+/- 1.0dB Max.
Noise Figure:	3.5dB Max.
OP1dB:	+15dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	150mA Max.
Connectors In/Out	SMA Female

Features:

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

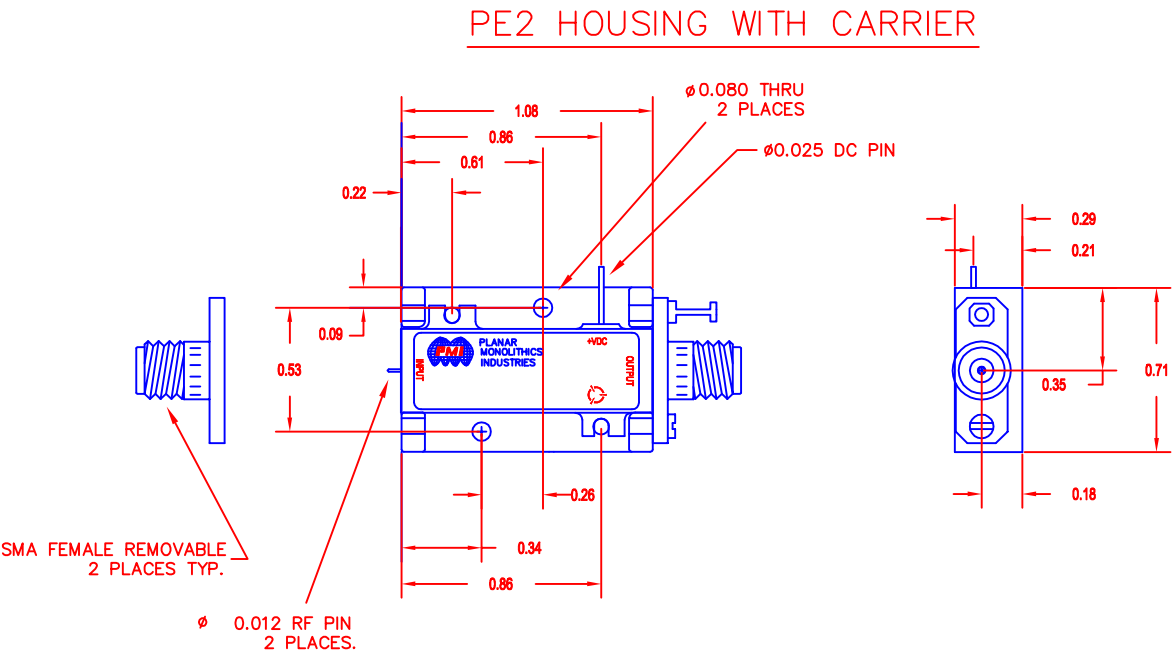
Available Options:

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

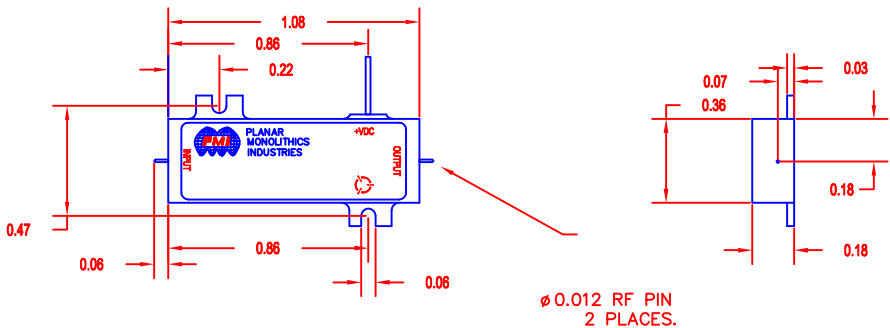
Environmental Ratings:

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 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	27004142	A
FINISH:		Modified		12/13/10	PE2-20-811-3R5-15-SFF		ISSUED				
GOLD PLATED		DO NOT SCALE DRAWING			SCALE N/A		SHEET		1	OF	1