

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A		ORIGINAL RELEASE	12/14/10	

Description:

Part Number 27004482 (Model Number PE2-27-56-1R8-10-15-SFF) is a 5 to 6 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 to 6 GHz
Gain:	27dB Typ.
Gain Flatness:	+/- 1.25dB Max.
Noise Figure:	1.8dB Max.
OP1dB:	+10dBm 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:

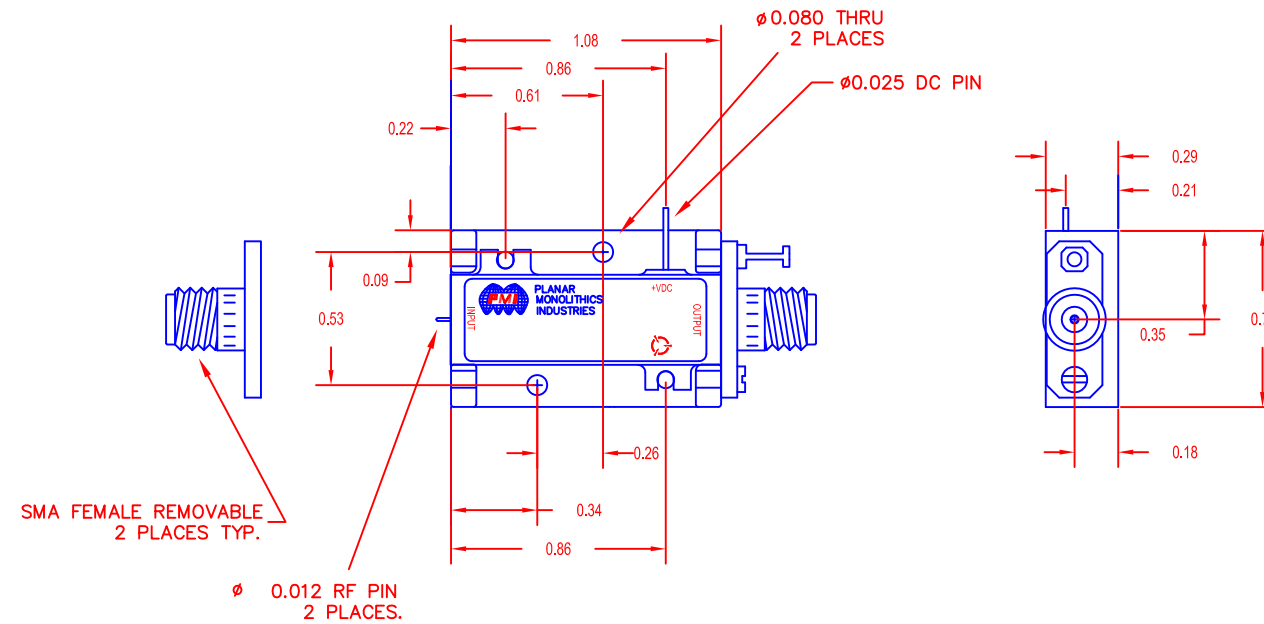
- Various Package types
- Various Connector types
- Temperature Compensation
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

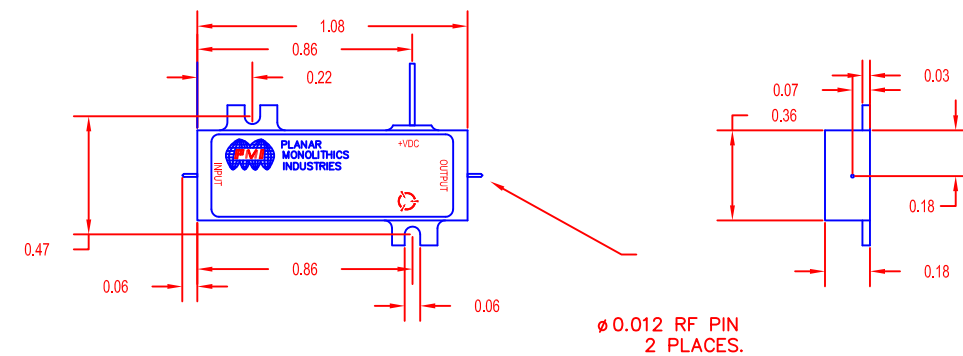
Temperature:	-55 to +85 Deg. C (Operating)
	-65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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

MATERIAL: 6061-T6 Aluminum	PART NO.		7311-F GROVE ROAD FREDERICK, MARYLAND			
	APPROVALS	DATE				
FINISH: GOLD PLATED	DRAWN DPD	3/9/10	TITLE PE2 Series Amplifier PE2-27-56-1R8-10-15-SFF			
	Modified SFK	12/14/10				
DO NOT SCALE DRAWING		ISSUED	SIZE B	CAGE CODE 05XQ0	DWG NO. 27004482	REV. A
		SCALE N/A		SHEET 1 OF 1		