

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/2/10	

Description:

Part Number 27314020 (Model Number PE2-30-2R018R0-4R5-15-12-SFF) is a 2 - 18 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: 2 to 18 GHz
Gain: 30 dB Typ.
Gain Flatness: +/- 1.25 dB Typ.
Noise Figure: 4.5 dB Typ.
OP1dB: +15 dBm Typ.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 130 mA Typ.

Features:

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

Available Options:

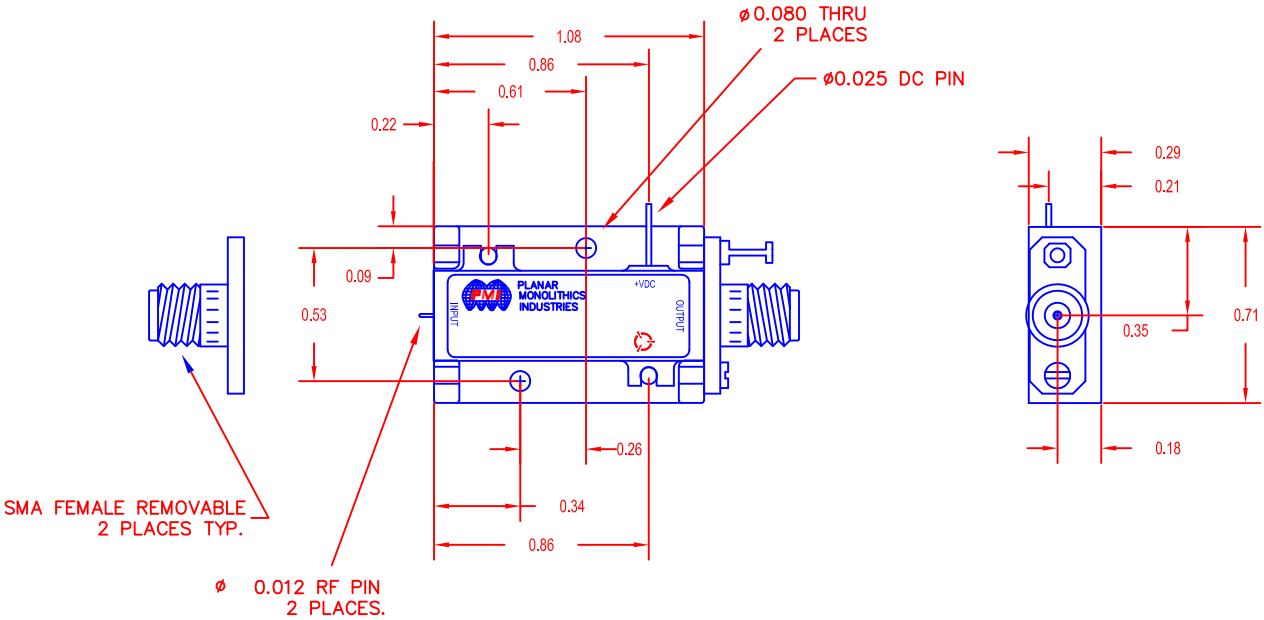
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

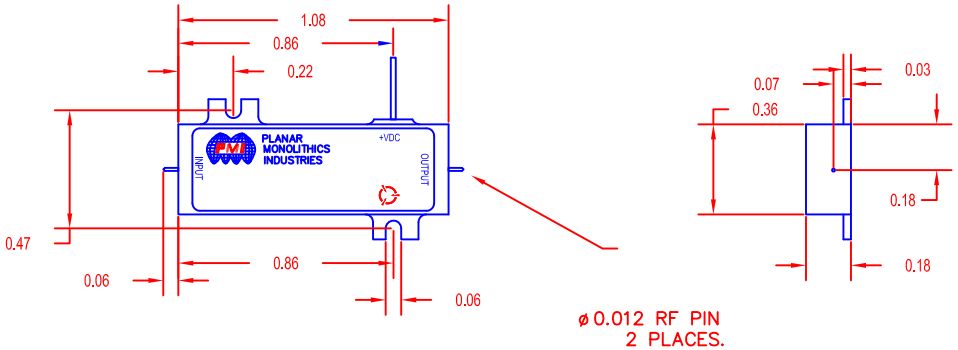
Temperature: -55 to +85 Deg. C (Operating)
-65 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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		DRAWN		DATE	MATERIAL:		FINISH:		DO NOT SCALE DRAWING	
7311-F GROVE ROAD FREDERICK, MARYLAND		DPD		3/9/10	OUTLINE DRAWING		Modified		12/2/10	6061-T6 Aluminum		GOLD PLATED			
ISSUED		SFK			SIZE		CAGE CODE		DWG NO.	REV.					
B		05XQ0			27014022		A								
SCALE N/A					SHEET		1 OF 1								