

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

Description:

Part Number 27000562 (Model Number PE2-24-1R18R2-23-15-SFF) is a 1 to 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:	1 to 18 GHz
Gain:	26dB Typ.
Gain Flatness:	+/- 1.5dB Max.
Noise Figure:	5.0dB Max.
OP1dB:	+21dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	500mA Max.
Connectors In/Out	SMA Female

Features:

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

Available Options:

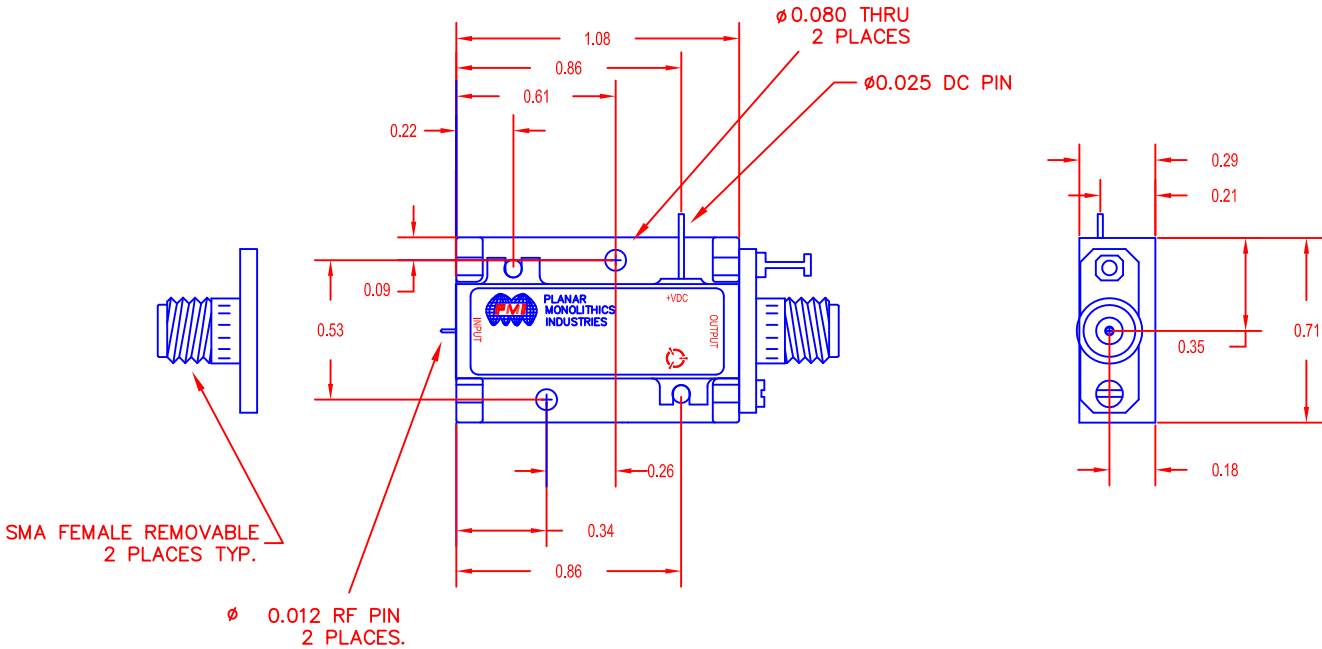
- Various Package types
- Various Connector types
- Temperature Compensation
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

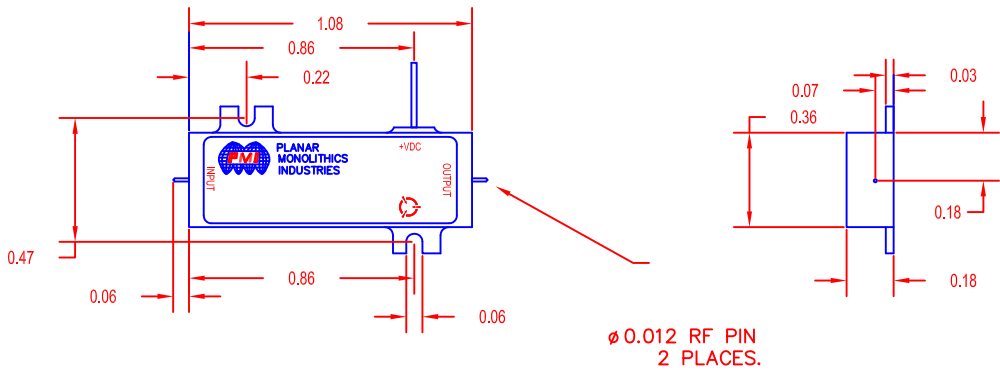
Temperature:	-55 to +85 Deg. C (Operating)
	-65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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.		<div>PLANAR MONOLITHICS INDUSTRIES, INC.</div> <div>7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: 301-662-5019 FAX: 301-662-1731 ISO 9001:2008 CERTIFIED WEBSITE: www.pmi-rf.com E-MAIL: sales@pmi-rf.com</div> <div></div>									
		APPROVALS						DATE					
MATERIAL: 6061-T6 Aluminum		DRAWN DPD		3/9/10		TITLE PE2 Series Amplifier PE2-24-1R18R2-23-15-SFF							
		Modified SFK		12/10/10									
FINISH: GOLD PLATED  DO NOT SCALE DRAWING		ISSUED				SIZE		CAGE CODE		DWG NO.		REV.	
						B		05XQ0		27000562		A	
						SCALE N/A				SHEET 1 OF 1			