

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/11/20	

Description:

PMI Model Number PE2-30-2R53R5-2R0-23-12-SFF is a 2.5 to 3.5 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:	2.5 to 3.5 GHz
Gain:	+30dB Typ.
Gain Flatness:	±1.0dB Typ.
Noise Figure:	2.0dB Max.
OP1dB:	+21dBm Min.
OIP3:	34 dBm Typ.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	350mA Max.
Connectors In/Out	SMA Female

Features:

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

Available Options:

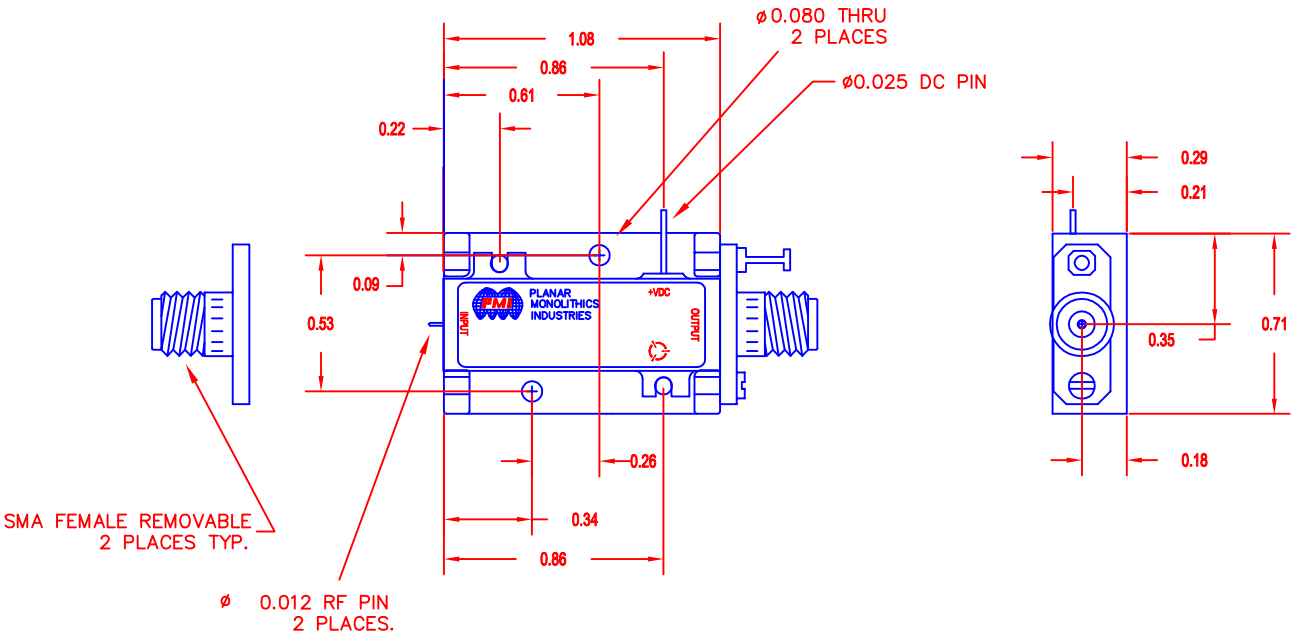
- Various Package types
- Various Connector types
- Temperature Compensation
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

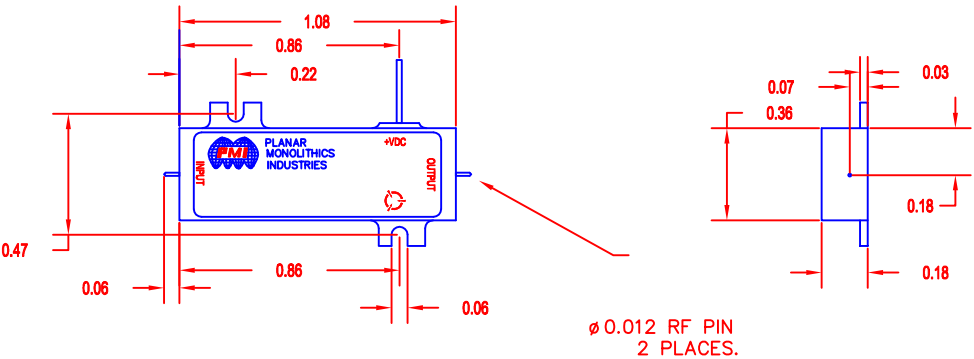
Temperature:	-55 to +85 Deg. C (Operating)
	-65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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.		APPROVALS		DATE	TITLE		SIZE	CAGE CODE	DWG NO.	REV.
MATERIAL:		DRAWN		3/9/10	PE2 Series Amplifier		B	05XQ0	PRELIMINARY	-
FINISH:		REDRAWN		11/11/20	PE2-30-2R53R5-2R0-23-12-SFF					
GOLD PLATED		ISSUED								
DO NOT SCALE DRAWING							SCALE	N/A	SHEET	1 OF 1