

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	3/2/10	

### Description:

Part Number 27312500 (Model Number PE2-30-12G18G-2R5-12-12-SFF) is a 12 - 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:	12 to 18 GHz
Gain:	30 dB Min.
Gain Flatness:	+/- 1.75 dB Max.
Noise Figure:	2.3 dB Typ., 2.5 dB Max.
OP1dB:	+12 dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	175 mA Max.

### Features:

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

### Available Options:

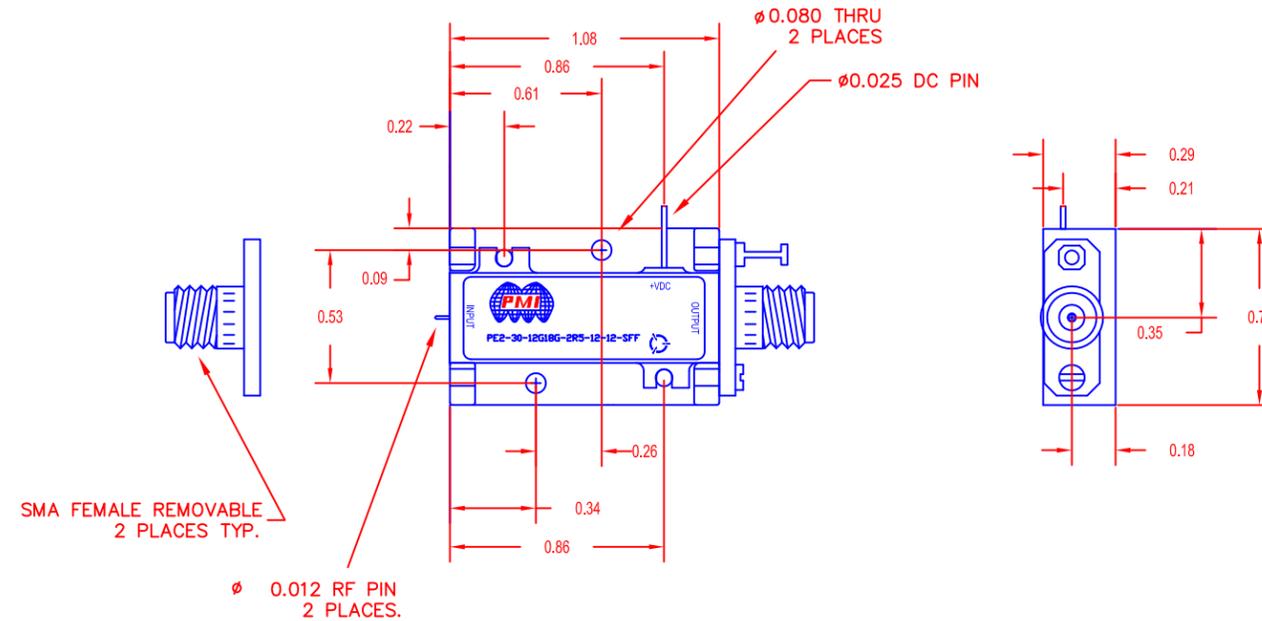
- Various Package types
- Various Connector types
- Temperature Compensation
- Hermetic Sealing
- Gain and Phase Matching
- MIL-STD-883 Screening Available

### Environmental Ratings:

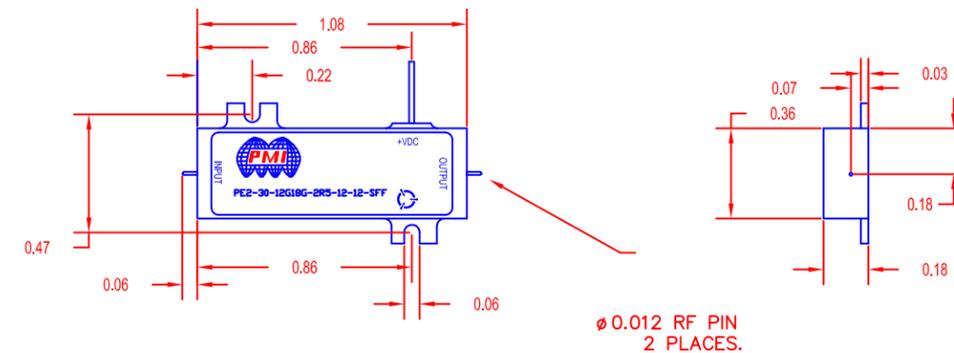
Temperature:	-55 to +85 Deg. C (Operating)
	-65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

MATERIAL: 6061-T6 Aluminum	PART NO.		 7311-F GROVE ROAD FREDERICK, MARYLAND
	APPROVALS DRAWN DPD	DATE 3/2/10	
FINISH: GOLD PLATED	TITLE OUTLINE DRAWING PE2-30-12G18G-2R5-12-12-SFF		
	CHECKED	ISSUED	SIZE CAGE CODE DWG NO. REV. B 05XQ0 27012501 A
DO NOT SCALE DRAWING	SCALE N/A		SHEET 1 OF 1