

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/13/10	

### Description:

Part Number 27006742 (Model Number PE2-30-818-3R8-20-12-SFF) is a 8 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:	8 to 18 GHz
Gain:	33dB Typ.
Gain Flatness:	+/- 1.5dB Max.
Noise Figure:	3.8dB Max.
OP1dB:	+20dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
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:

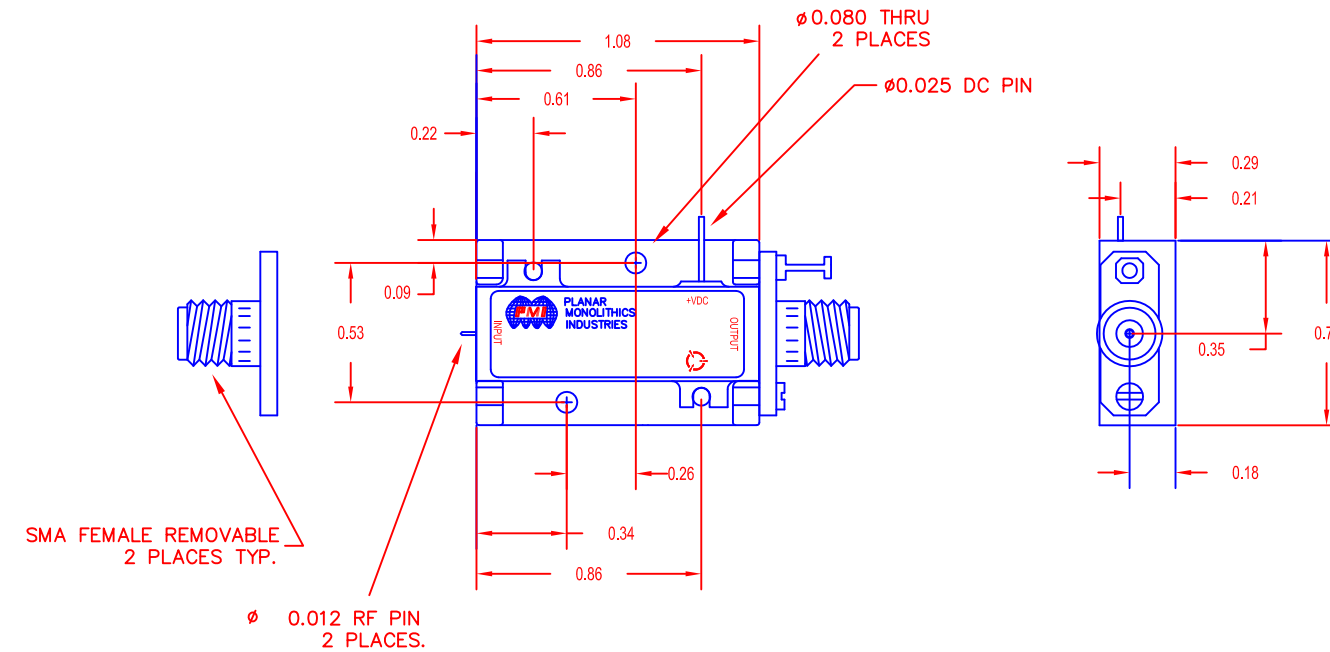
- Various Package types
- Various Connector types
- Temperature Compensation
- Gain and Phase Matching
- MIL-STD-883 Screening Available

### Environmental Ratings:

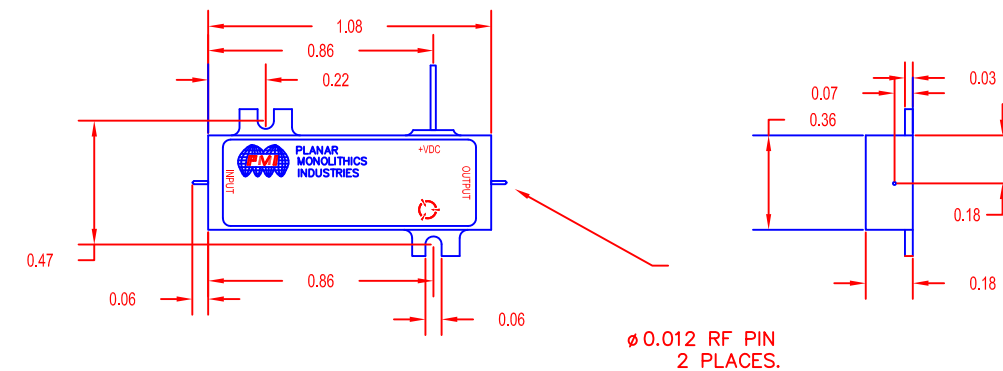
Temperature:	-55 to +85 Deg. C (Operating)
	-65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

MATERIAL: 6061-T6 Aluminum	APPROVALS	DATE	 7311-F GROVE ROAD FREDERICK, MARYLAND	TITLE PE2 Series Amplifier PE2-30-818-3R8-20-12-SFF
	ISSUED			
FINISH: GOLD PLATED	DRAWN DPD	3/9/10	SIZE B	CAGE CODE 05XQ0
DO NOT SCALE DRAWING	Modified SFK	12/13/10	DWG NO. 27006742	REV. A
			SCALE N/A	SHEET 1 OF 1