

Description:

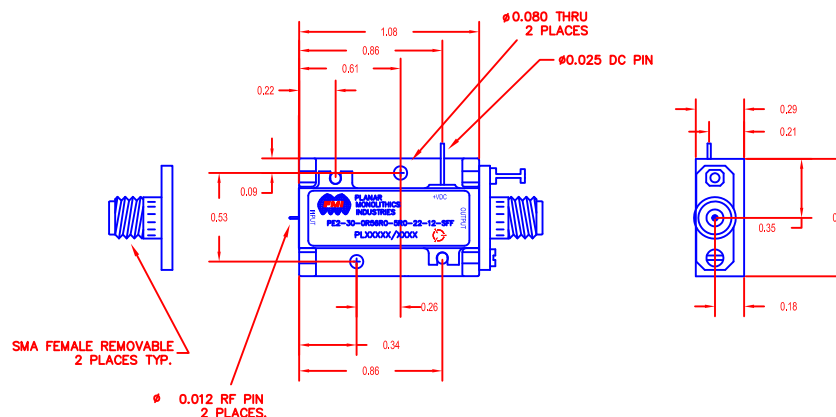
Model Number PE2-30-1R018R0-4R5-15-12-SFF is a 1 to 18 GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	03/9/10	

MECHANICAL OUTLINE

Specifications:

Frequency Range:	1 to 18 GHz
Gain:	30dB Typ.
Gain Flatness:	+/- 1.25dB Typ.
Noise Figure:	4.5dB Typ.
OP1dB:	+15dBm Typ.
VSWR Input/Output:	2.0:1 Typ.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	130mA Nom.
Connectors In/Out	SMA Female



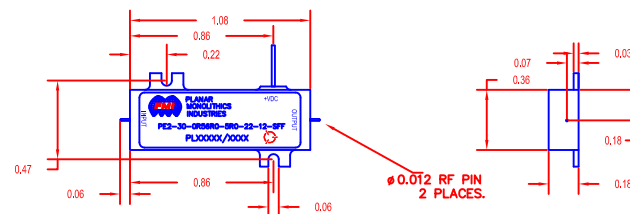
Features:

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

PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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.

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

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APPROVALS DATE		TITLE PE2 Series Amplifier PE2-30-1R018R0-4R5-15-12-SFF			
DRAWN DPD	3/9/10				
CHECKED SFK	12/10/10	SIZE A	FSCM NO. 05XQ0	DWG NO. 27011802	REV A
ISSUED		SCALE N: S		SHEET 1 OF 1	