

Description:

PMI Model Number: PE2-30-218-4R0-20-12-SFF-BT is a 2 to 18 GHz low noise amplifier with an internal bias-tee on the output. 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 to 18 GHz
Gain:	30dB Typ.
Gain Flatness:	+/- 2.0dB Max.
Noise Figure:	4.0dB Max.
OP1dB:	+20dBm Min.
OIP3:	+30dBm Typ
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	350mA Max.
Connectors In/Out:	SMA Female
Bias-Tee:	Output SMA Connector

Features:

Internal Voltage Regulation.
Unconditional Stability.
LNA is supplied with an internal bias-tee on the output.

Available Options:

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

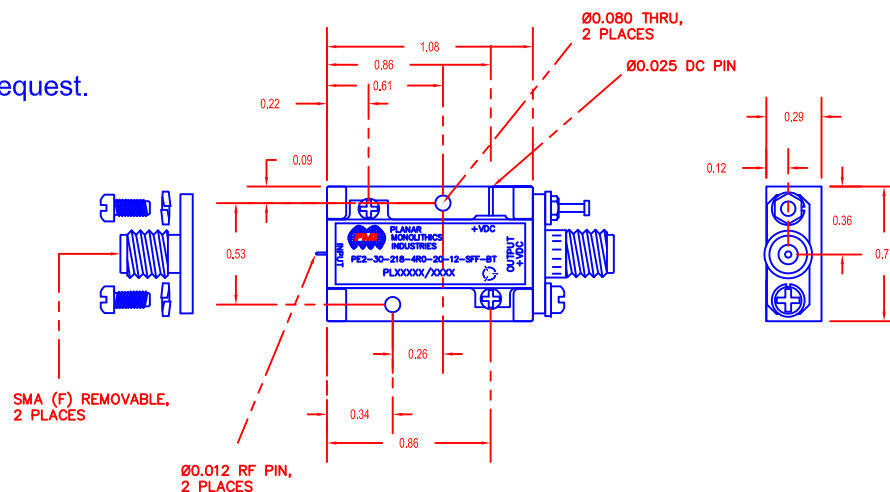
Environmental Ratings:

Temperature:	-55°C to + 85°C (Operating) -65°C to +125°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

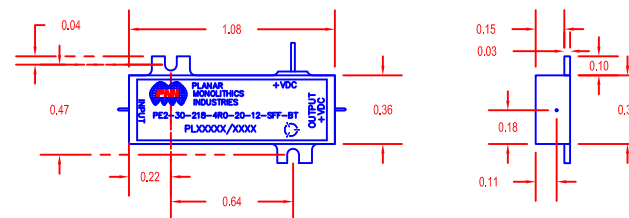
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	03/09/10	
	B	ADD BIAS T SPECIFICATION	1/11/13	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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

APPROVALS		DATE		TITLE	
DRAWN <i>DPD</i>		3/9/10		PRODUCT FEATURE	
CHECKED				PE2-30-218-4R0-20-12-SFF-BT	
ISSUED					
SIZE A		FSCM NO. 05XQ0		DWG NO. 27005922	
SCALE N: S				REV. B	
				SHEET 1 OF 1	