

Description:

PMI Model Number: PE2-30-12-1R35-10-12-SFF-BT is a 1 to 2 GHz low noise amplifier that provides 31dB of gain with a low noise figure of 1.35dB maximum. This model features an integrated Bias-T 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:	1 to 2 GHz
Gain:	31dB Typ.
Gain Flatness:	+/- 1.5dB Max.
Noise Figure:	1.35dB Max.
OP1dB:	+10dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	140mA Max.
Connectors In/Out:	SMA Female
Sealing:	Hermetic

Features:

Internal Voltage Regulation
 Unconditional Stability
 Standard Operating Temperature -55 to +85°C
 Integrated Bias-T on Output

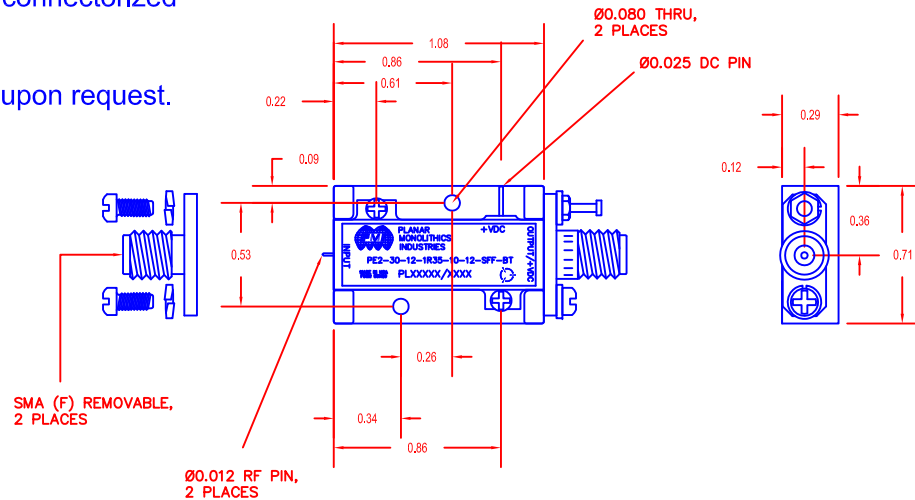
Environmental Ratings:

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

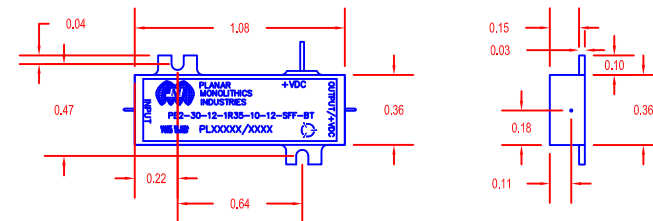
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/9/10	
	A2	ECN # 13-0109	8/9/13	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.020
 X.XXX ±0.010

APPROVALS		DATE	TITLE		
DRAWN	<i>DPD</i>	8/9/10	PRODUCT FEATURE PE2-30-12-1R35-10-12-SFF-BT		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27005823
			SCALE	N: S	SHEET 1 OF 1