

Description:

PMI Model Number: PE2-42-2G-2R0-15-SFF is a 1.4 to 2.4 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.

Specifications:

- Frequency Range:

1.4 to 2.4 GHz
- Gain:

42dB Min.
- Gain Flatness:

±1.0dB Max
- Noise Figure:

1.8dB Typ. , 3.0dB Max.
- OP1dB:

+22dBm Typ. , +17dBm Min.
- OIP3:

+30dBm Typ.
- VSWR Input/Output:

2.0:1 Max.
- DC Supply:

+12 to +15VDC @ 350mA
- Connectors In/Out:

SMA Female
- Finish:

Gold Plated

Features:

- Internal Voltage Regulation
- Unconditional Stability

Available Options:

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

Environmental Ratings:

- Temperature:

-54°C to + 95°C (Operating)
-65°C to +125°C (Storage)
- Humidity:

MIL-STD-202F, METHOD 103B COND B.
MIL-STD-202F, METHOD 213B COND B.
- Shock:

MIL-STD-202F, METHOD 105C COND B.
- Altitude:

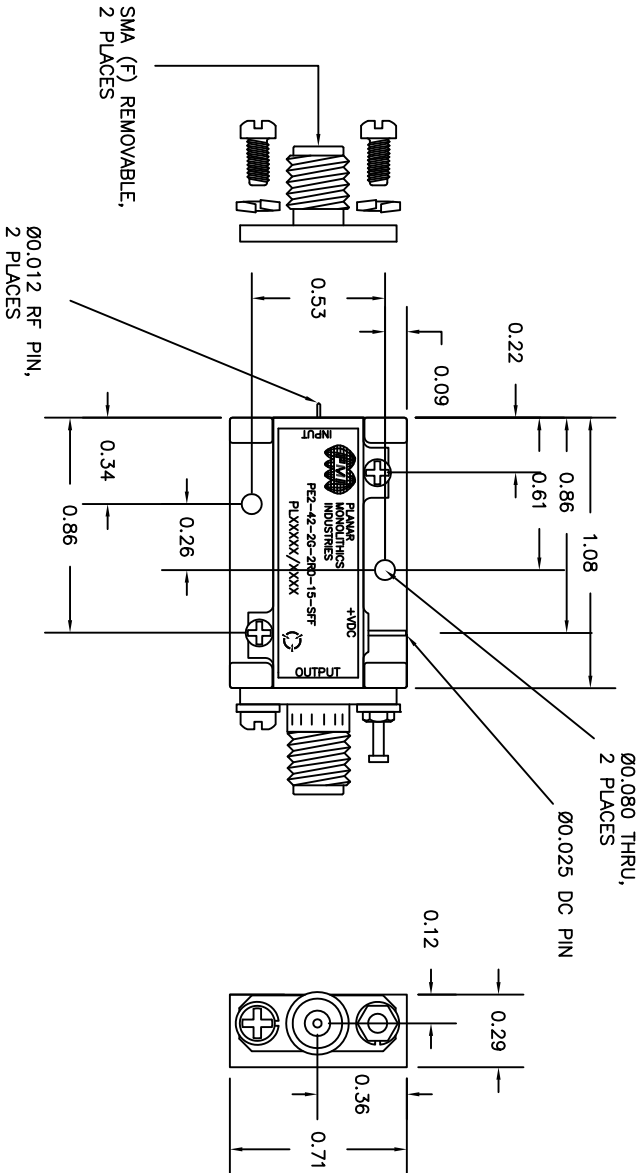
MIL-STD-202F, METHOD 107D COND A
- Temperature Cycle:

MIL-STD-202F, METHOD 107D COND A

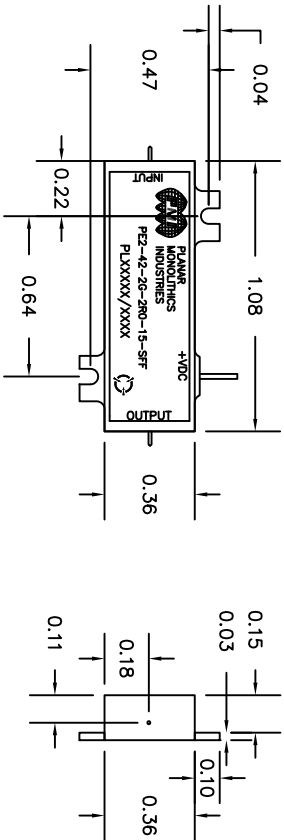
Note: The above specifications are subject to change or revision.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	ORIGINAL RELEASE	05/14/12

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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APPROVALS		DATE		TITLE			
DRAWN	<i>gfk</i>	05/14/12		PRODUCT FEATURE			
CHECKED				SIZE	FSCM NO.	DWG NO.	REV.
ISSUED				A	05XQ0	27004083	A
		SCALE	N:S			SHEET	1 OF 1

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