

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:

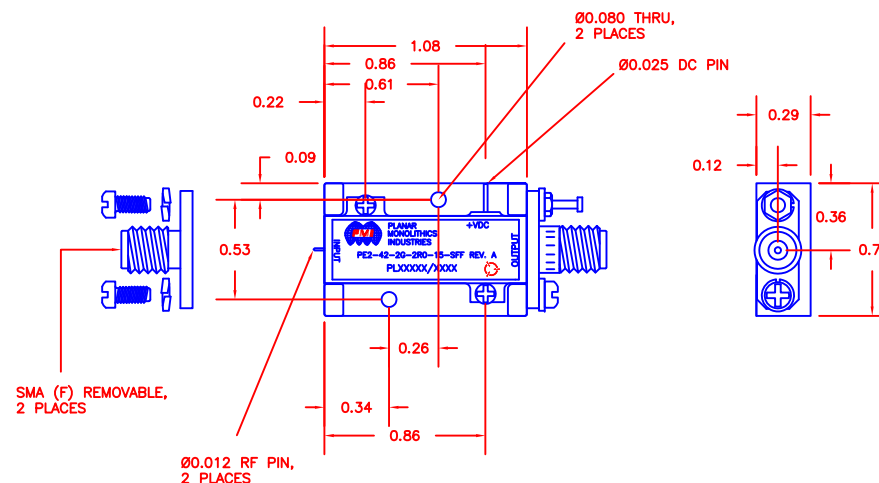
Temperature:	-54°C to + 95°C (Operating) -65°C to +125°C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

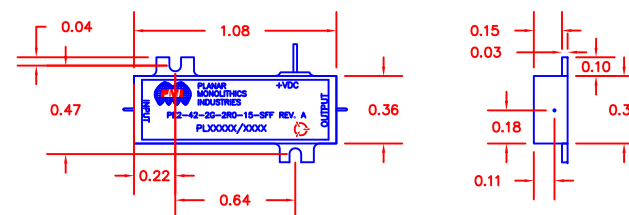
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A1	ORIGINAL RELEASE	05/14/12
	A2	ECN # 15-0003	01/23/15

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		05/14/12		PRODUCT FEATURE			
CHECKED				PE2-42-2G-2R0-15-SFF REV. A			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27004083	A2
				SCALE	N:S	SHEET	1 OF 1