

Description:

PMI Model Number: PE2-45-2G6G-1R8-12-SFF is a 2.0 to 6.0 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.

This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range: 2.0 to 6.0 GHz
Gain: +45 dB Typ
Gain Flatness: +/- 1.25 dB Max
Noise Figure: 1.8 dB Max
OP1dB: +10 dBm Min
Input Power +1 dBm Max
VSWR Input/Output: 2.0:1 Max
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 225 mA Max
Connectors In/Out: SMA Female

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:

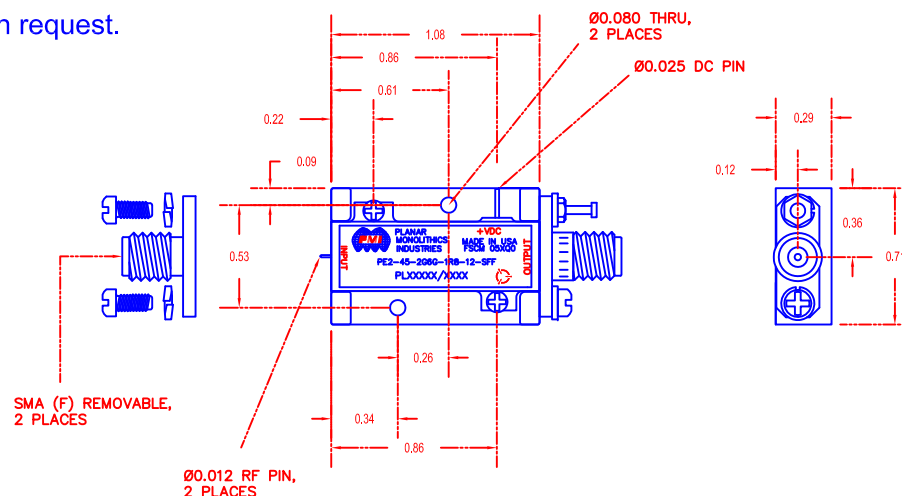
Temperature: -55°C to +85°C (Operating)
..... -65°C +125°C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

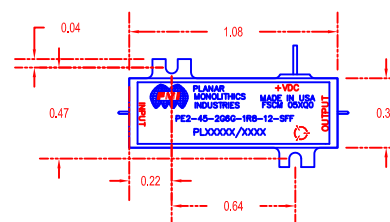
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	1	ORIGINAL RELEASE	01/04/16

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		B. Thomas		01/04/16		PRODUCT FEATURE	
CHECKED						PE2-45-2G6G-1R8-12-SFF	
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		71A34		27028681		1	
SCALE		N: S		SHEET		1 OF 1	