

Description:

PMI Model Number: PE2-12-2G4D2G-5R0-17-12-SFF is a 2.0 to 4.2 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:	2.0 to 4.2 GHz
Gain:	12dB Typical
Gain Flatness:	+/-1.0dB Max.
Noise Figure:	5.0dB Max.
OP1dB:	+17dBm Min.
VSWR Input/Output:	2.0:1 Max.
Input Power:	+23dBm CW Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	230mA Nominal
Connectors In/Out	SMA Female

Features:

Internal Voltage Regulation
Reverse Voltage Protection
Unconditional Stability

Available Options:

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

Environmental Ratings:

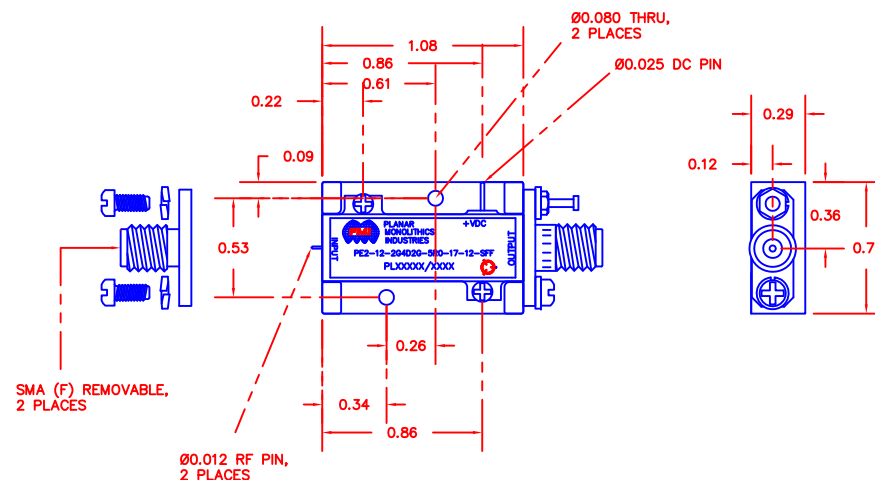
Temperature:	-55 to +85 Deg. C (Operating)
	-65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

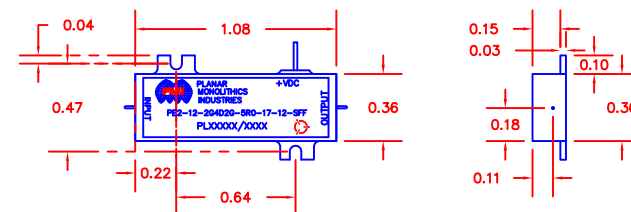
Note: Specifications are valid at +25C.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	7/17/14	
	A1	ECN # 15-0057	5/19/15	

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		7/17/14	PRODUCT FEATURE			
CHECKED			PE2-12-2G4D2G-5R0-17-12-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27023661	A1
			SCALE	N: S		SHEET 1 OF 1