

Description:

PMI Model No. PE2-30-6G18G-3R0-15-15-SFF is a Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing that can be used as an SMA connectorized or a surface mount component. Other packages and connector types are available.

This model provides the following performance.

Specifications:

Frequency Range:	6.0 to 18.0 GHz
Gain:	28dB Min. / 32dB Max.
Gain Flatness:	+/- 1.5dB Typ.
Noise Figure:	3.0dB Max.
OP1dB:	15dBm Min.
VSWR Input/Output:	2.0:1 / 2.0:1 Max.
Input Power:	+20dBm CW Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	320mA Max.
Connectors In/Out	SMA Female
Finish	Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability

Available Options:

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

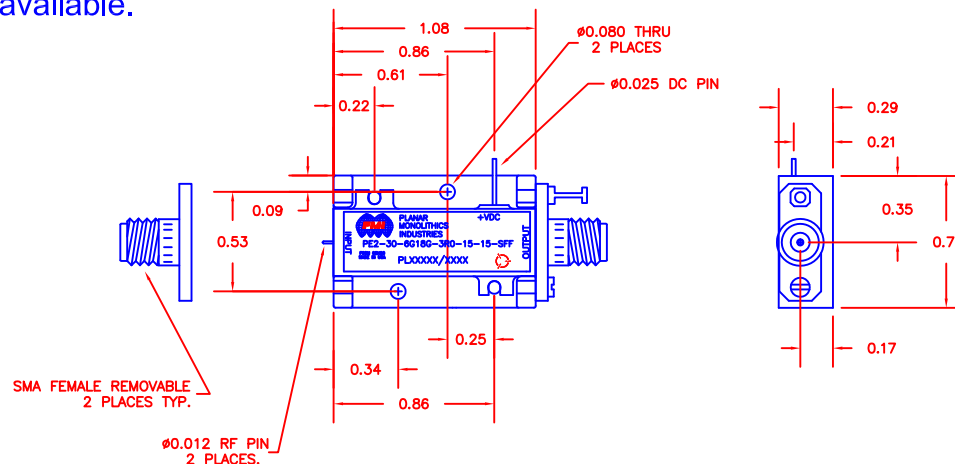
Environmental Ratings:

Temperature:	-40 to +85 Deg. C (Operating); -55 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

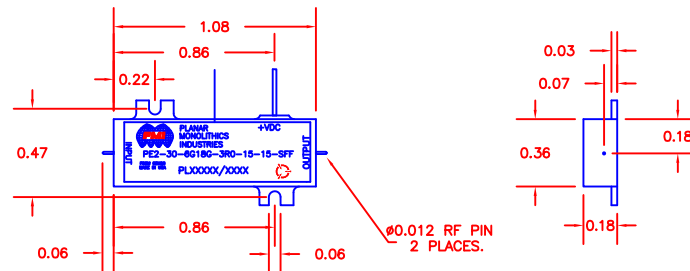
Note: The above specifications are subject to change or revision.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	3/16/15

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		K. MASON		3/16/15		PRODUCT FEATURE	
CHECKED						PE2-30-6G18G-3R0-15-15-SFF	
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		PRELIMINARY		—	
SCALE		N:S		SHEET		1 OF 1	