

## Description:

PMI Model No. PE2-42-5D6G18G-4R0-19-15-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:	5.6 to 18.0 GHz
Gain:	42dB Min. / 48dB Max.
Gain Flatness:	+/- 2.5dB Max.
Noise Figure:	4.0dB Typ., 5.0dB Max.
OP1dB:	19dBm Min.
OIP3:	+27dBm Typ.
VSWR Input/Output:	2.0:1 / 2.0:1 Max.
Input Power:	+20dBm CW Max.
RF Leakage:	60dBc
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	400mA Typ.
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

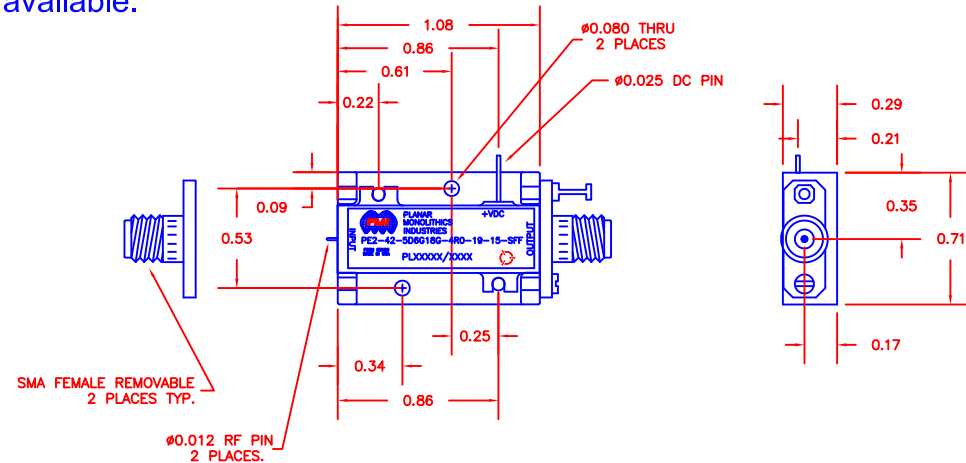
## Environmental Ratings:

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

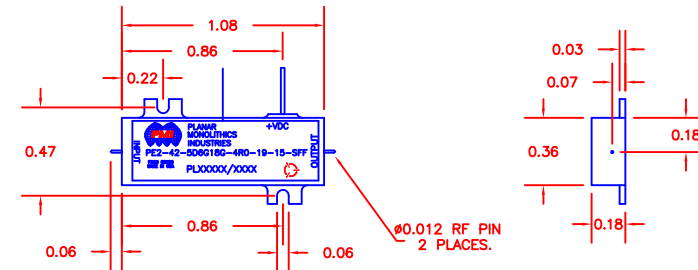
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	07/22/16	

### PE2 HOUSING WITH CARRIER



### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



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

APPROVALS		DATE	TITLE		
DRAWN	<i>ANG</i>	07/22/16	PRODUCT FEATURE		
CHECKED			PE2-42-5D6G18G-4R0-19-15-SFF		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27029731
			SCALE	SHEET	
			N:S	1 OF 1	