

## Description:

PMI model # PE2-34-2G18G-3R5-15-SFF-VVG is a voltage variable gain amplifier operating over the frequency range 2.0 to 18.0 GHz. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component. It is optimized for 5.5 to 18.0 GHz meeting the following specifications:

## Specifications:

Frequency Range:	5.5 to 18.0 GHz (Optimized) / 2.0 to 18.0 GHz (Operating)
Linear Gain:	30dB Min.
*Gain Flatness:	+/- 1.0dB Goal / +/- 1.5dB Max.
*Noise Figure:	3.0dB Goal / 3.7dB Max.
*OP1dB:	+10dBm Min.
VSWR Input/Output:	2.0:1 Max.
Gain Control:	15 dB Typ. / 12 dB Min.
Control Voltage:	0 to 2.5 VDC - 5VDC Max. (0V = Max Gain)
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	280mA Nominal
Connectors In/Out:	SMA Female
Finish:	Gold Plated

\*At 0dB Attenuation

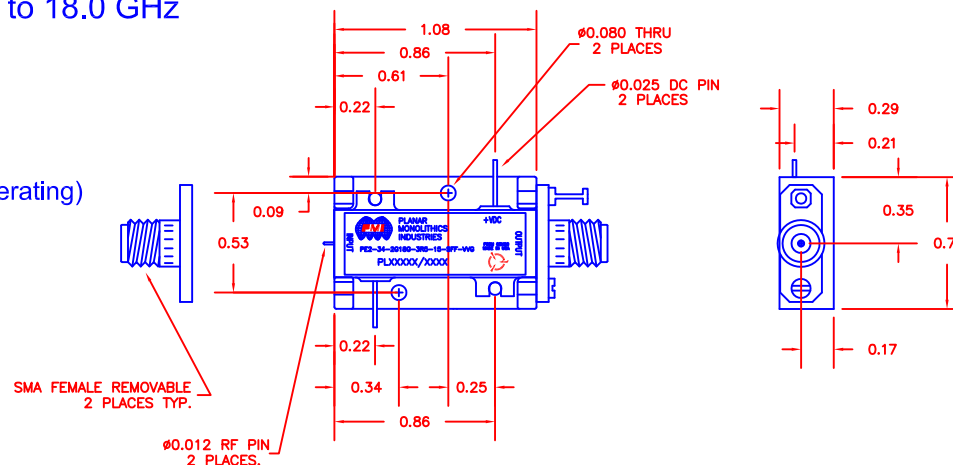
## Environmental Ratings:

Temperature:	-55 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

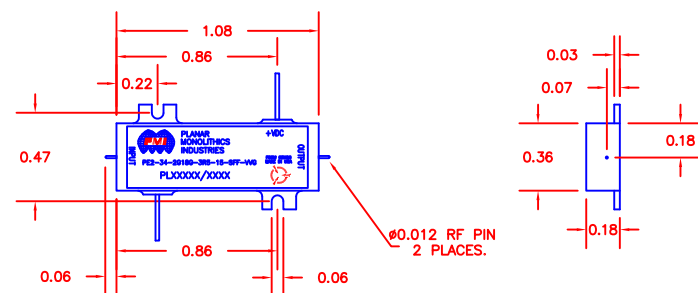
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	08/19/13	
	A1	ECN # 14-0163	10/02/14	

### PE2 HOUSING WITH CARRIER



### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



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

APPROVALS		DATE		TITLE			
DRAWN		08/19/13		PRODUCT FEATURE			
CHECKED				PE2-34-2G18G-3R5-15-SFF-VVG			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27020801	A1
				SCALE	N:S	SHEET	1 OF 1