

Description:

PMI model # PE2-34-2G18G-3R5-20-SFF-VVG-DD is a voltage variable gain amplifier with integrated diode detector that operates 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 (Specified) / 2.0 to 18.0 GHz (Operating)

*Linear Gain:30 dB Min.

*Gain Flatness:+/- 1.0 dB Goal / +/- 1.5 dB Max

*Noise Figure:3.0 dB Goal / 3.7 dB Max. / 4.0 dB Typ. @ 2 GHz

*OP1dB:+10 dBm Min.

VSWR Input/Output:2.0:1 Max.

Gain Control:20 dB Min.

Control Voltage:0 to 1.5 VDC, 2 VDC Max.

Diode Detector:Included at the output port

Diode Detector Sensitivity:0.5 mV/mW typical

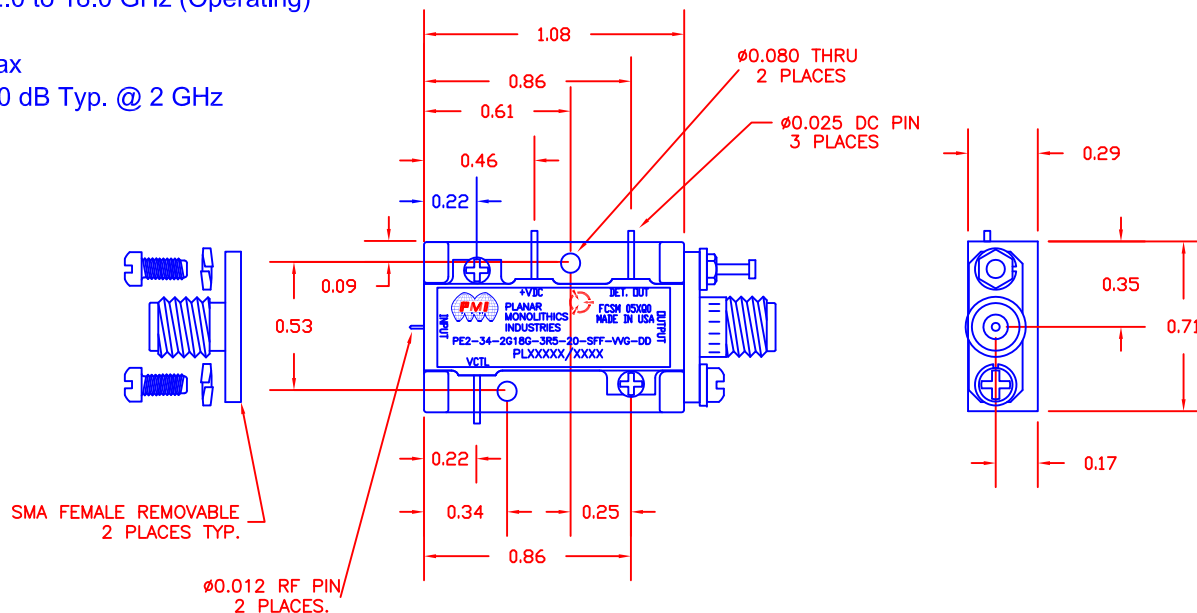
DC Voltage Supply:+12 to +15 VDC

DC Current Draw:280 mA Nominal

Connectors In/Out:SMA Female

Finish:Gold Plated

*At 0dB Attenuation



PMI CONFIDENTIAL AND PROPRIETARY

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.

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

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APPROVALS		DATE		TITLE	
DRAWN		07/08/16		PRODUCT FEATURE	
CHECKED				PE2-34-2G18G-3R5-20-SFF-VVG-DD	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27029691	
SCALE		N:S		SHEET	
				1 OF 1	