

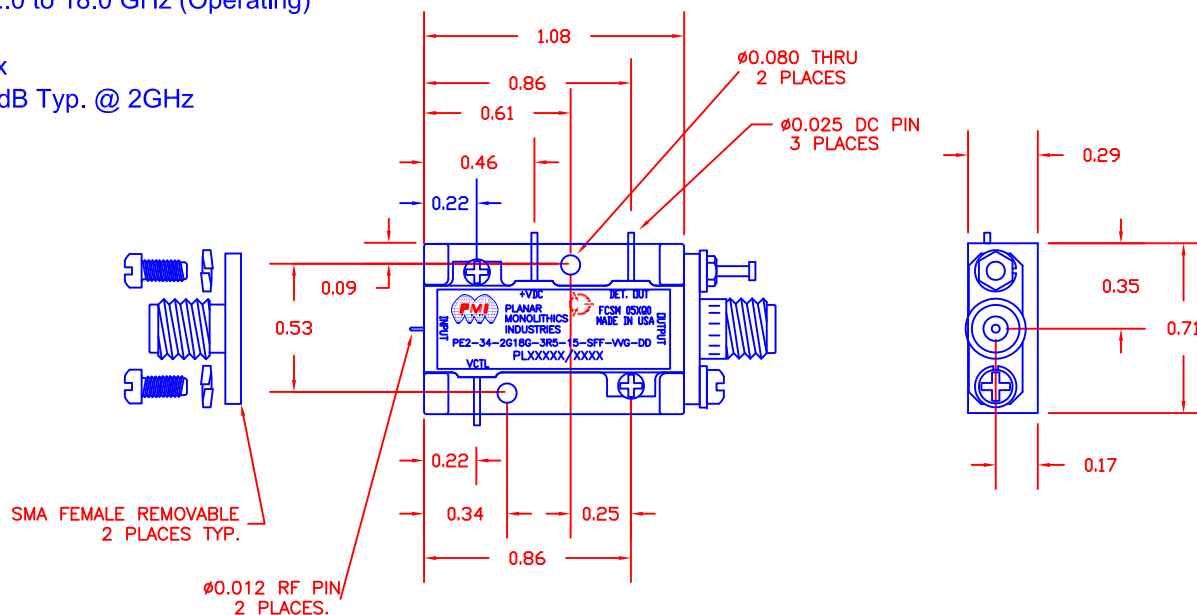
Description:

PMI model # PE2-34-2G18G-3R5-15-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:30dB Typ.
*Gain Flatness:+/- 1.0dB Goal / +/- 1.5dB Max
*Noise Figure:3.0dB Goal / 3.7dB Max. / 4.0dB Typ. @ 2GHz
*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.
Diode Detector:Included at the output port
Diode Detector Sensitivity:0.5mV/mW typical
DC Voltage Supply:+12 to +15VDC
DC Current Draw:280mA 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		11/21/13		PRODUCT FEATURE	
CHECKED				PE2-34-2G18G-3R5-15-SFF-VVG-DD	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27022051	
SCALE		N:S		SHEET	
				1 OF 1	