

Description:

Model No: PE2-28-15G18G-4R0-13-12-SMM is a 15 to 18 GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range: 15 to 18 GHz
Gain: 26dB Typ. @ 10 - 18 GHz
Gain Flatness: ± 0.5 dB Max @ +25°C
 ± 0.75 dB Max @ -55°C to +85°C
Noise Figure: 4.0dB Max.
OP1dB: +13dBm Min.
VSWR Input/Output: 1.5:1 Typ, 1.8:1 Max.
Max Input Power: +20dBm CW
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 200mA Max.
Isolation: -65dB Typ @ 10 to 13 GHz
-60dB Typ. @ 15 to 18 GHz
Connectors In/Out: SMA Male
Finish: Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability
Standard Operating Temperature -55°C to +85° C

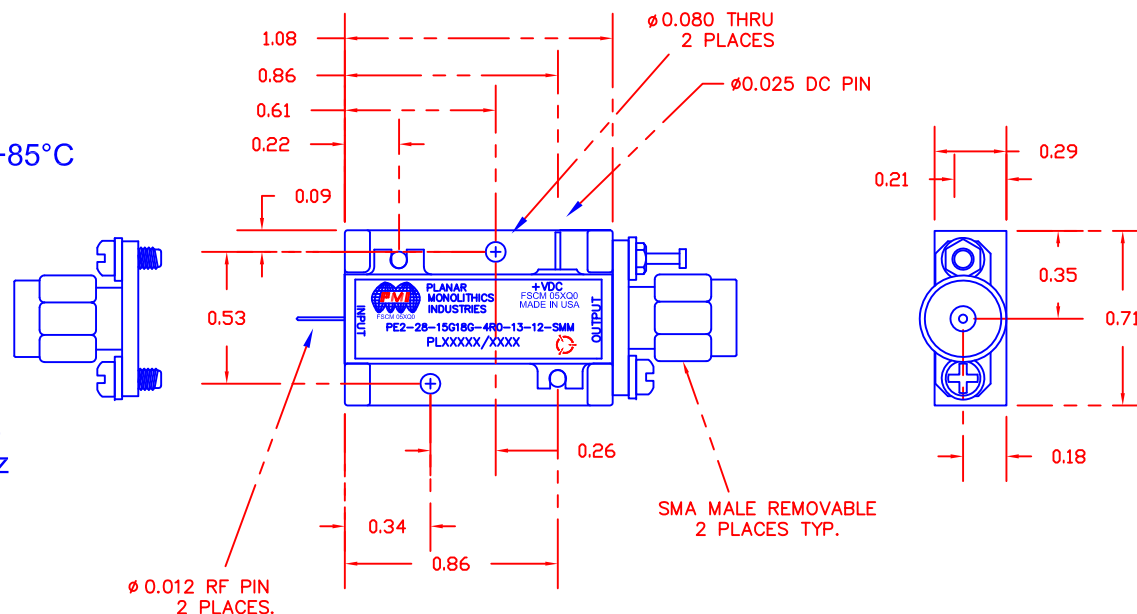
Available Options:

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

Environmental Ratings:

Temperature: -55°C to +85°C (Operating)
-65°C to +125°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	10/13/17

MECHANICAL OUTLINE

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		11/05/07		PRODUCT FEATURE			
MODIFIED		10/13/17		PE2-28-15G18G-4R0-13-12-SMM			
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		PRELIMINARY		-	
SCALE		N: S		SHEET		1 OF 1	

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