

Description:

Model No: PE2-28-15G18G-4R0-13-12-SFF 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

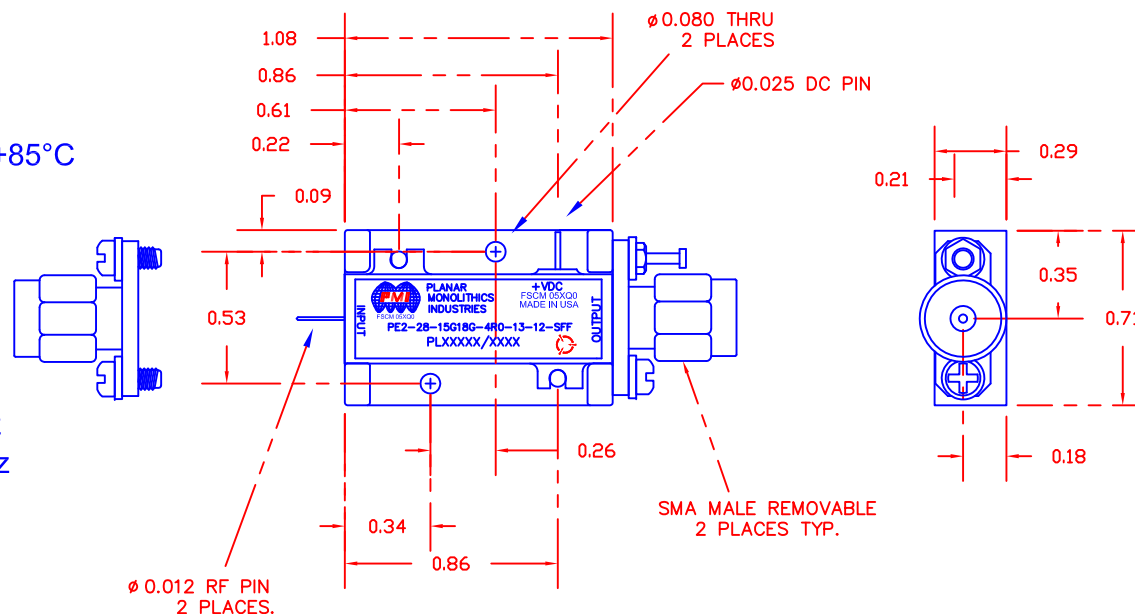
Environmental Ratings:

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
	A1	ORIGINAL RELEASE	06/06/11
	A2	ECN # 14-0064	04/03/14

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		11/05/07		PRODUCT FEATURE			
MODIFIED		06/06/11		PE2-28-15G18G-4R0-13-12-SFF			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27007742	A2
				SCALE	N: S	SHEET	1 OF 1

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