

Description:

PMI Model No. PEC-38-30M18G-12-SFF is a broadband, low noise amplifier that operates over the 30 MHz to 18 GHz frequency range. This model provides 38 dB of gain and has a gain flatness of ± 2.0 dB maximum. The noise figure is 5dB maximum and the OP1dB is +12 dBm minimum.

Specifications:

Frequency Range: 30 MHz to 18 GHz
Gain: +38 dB Typ
Gain Flatness: ± 2.0 dB Max
*Noise Figure: 5.0 dB Max
(*Only valid above 500 MHz)
OP1dB: +12 dBm Min
VSWR Input/Output: 2.2:1 Max
DC Supply: +12 VDC @ 300 mA Max
Connectors In/Out: SMA Female
Finish: Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability

Available Options:

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

Environmental Ratings:

Temperature: -54°C to + 95°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

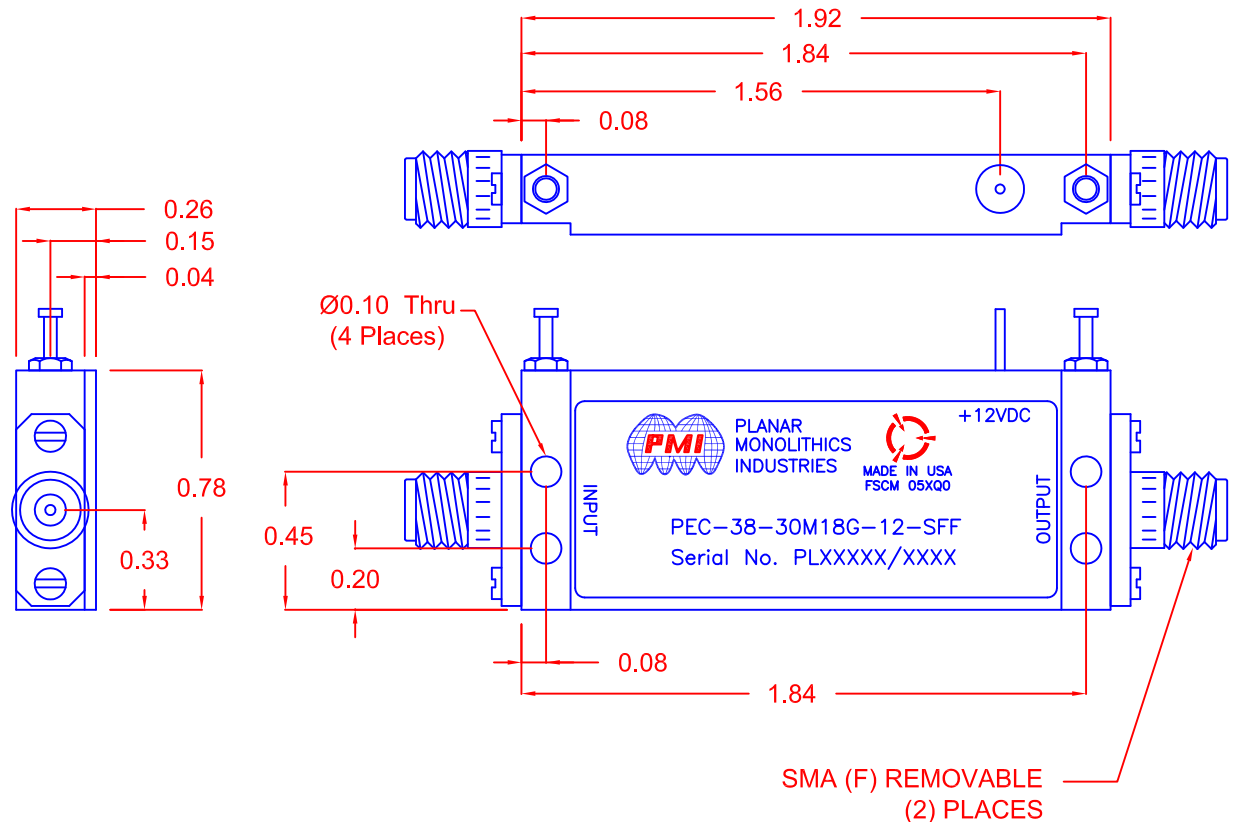
Note: The above specifications are subject to change or revision.

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:

X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/25/05	

%%UMechanical Outline



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE		
DRAWN		2/25/05		OUTLINE DRAWING		
CHECKED				PEC-38-30M18G-12-SFF		
ISSUED				SIZE	FSCM NO.	REV.
				A	05XQ0	A1
				SCALE	N:S	SHEET
				27003942		1 OF 1