

Description:

Model Number PEC-30-800M3G-2R5-15-12-SFF is a 800 - 3000 MHz low noise amplifier that has a gain of 30dB and a Noise Figure of 2.5dB. The OP1dB is >15dBm and the OIP3 is >30dBm.

This model provides the following performance.

Specifications:

Frequency Range:	800 to 3000 MHz
Gain:	25dB Minimum
Gain Flatness:	+/- 3.0 dB Maximum
Noise Figure:	2.25 dB Typical, 2.5dB Maximum
P1dB:	+15 dBm Minimum
OIP3:	+30 dBm Minimum
Input Power Handling:	+17 dBm CW Maximum
VSWR Input/Output:	2.0:1 / 2.0:1 Typical
DC Voltage Supply:	+15VDC
DC Current Draw:	200mA Nominal
Finish:	Blue Epoxy Paint
	Bottom Gold Plated (Unpainted)

Environmental Ratings:

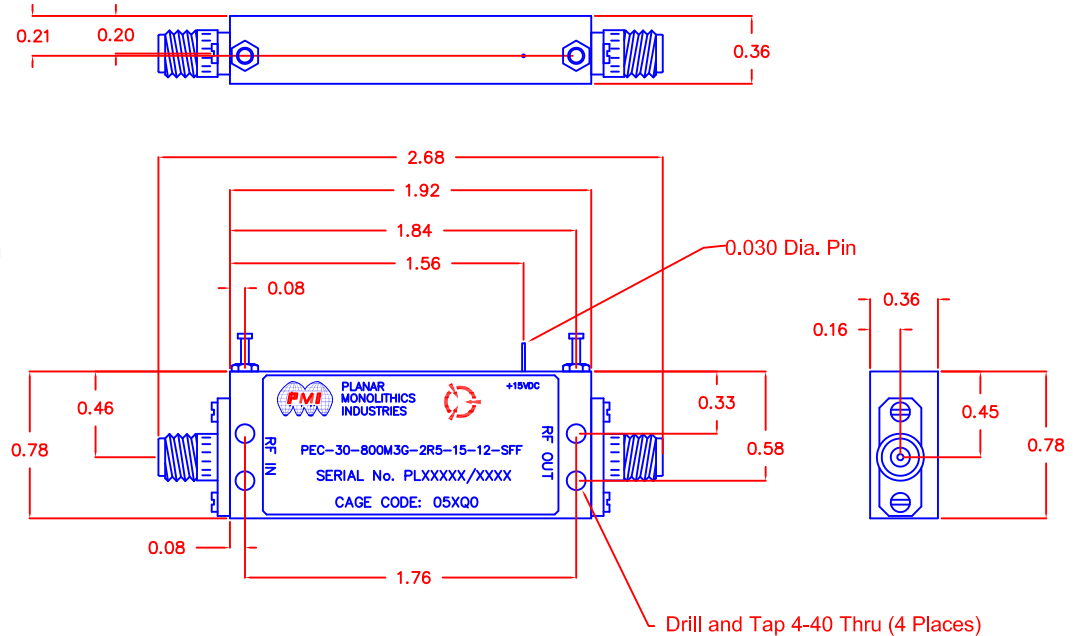
Temperature:	-55°C to +85° C (Operating)
	-65°C +117°C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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
	-	PRELIMINARY (-QF)	12/9/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>K. MASON</i>		12/9/14	PRODUCT FEATURE			
CHECKED			PEC-30-800M3G-2R5-15-12-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1