

Description:

Model Number PEC-25-500M40G-20-12-292FF-OPT125 is a 1.0 to 25.0 GHz low noise amplifier. This amplifier has a typical gain of 25 dB with a +/- 2.5 dB maximum gain flatness.

This model provides the following performance.

Specifications:

Frequency Range:-----	1.0 to 25.0 GHz
Gain:-----	25 dB Typ.
Gain Flatness:-----	+/- 2.5 dB Max.
Noise Figure:-----	5.5 dB Typ.
OP1dB:-----	+19 dBm TYP (1.0 TO 18.0 GHz) +17 dBm TYP (18.0 TO 25.0 GHz)
PSAT:-----	+23 dBm TYP (1.0 TO 18.0 GHz) +20 dBm TYP (18.0 TO 25.0 GHz)
Input Power Handling:-----	+17 dBm CW Max.
VSWR Input/Output:-----	2.0:1 / 2.5:1 Max.
DC Voltage Supply:-----	+12 to +15 VDC
DC Current Draw:-----	350 mA Nominal
Size:-----	1.37" (L) X 1.00" (W) X 0.60" (H)
Connectors:-----	2.92mm (F)

Environmental Ratings:

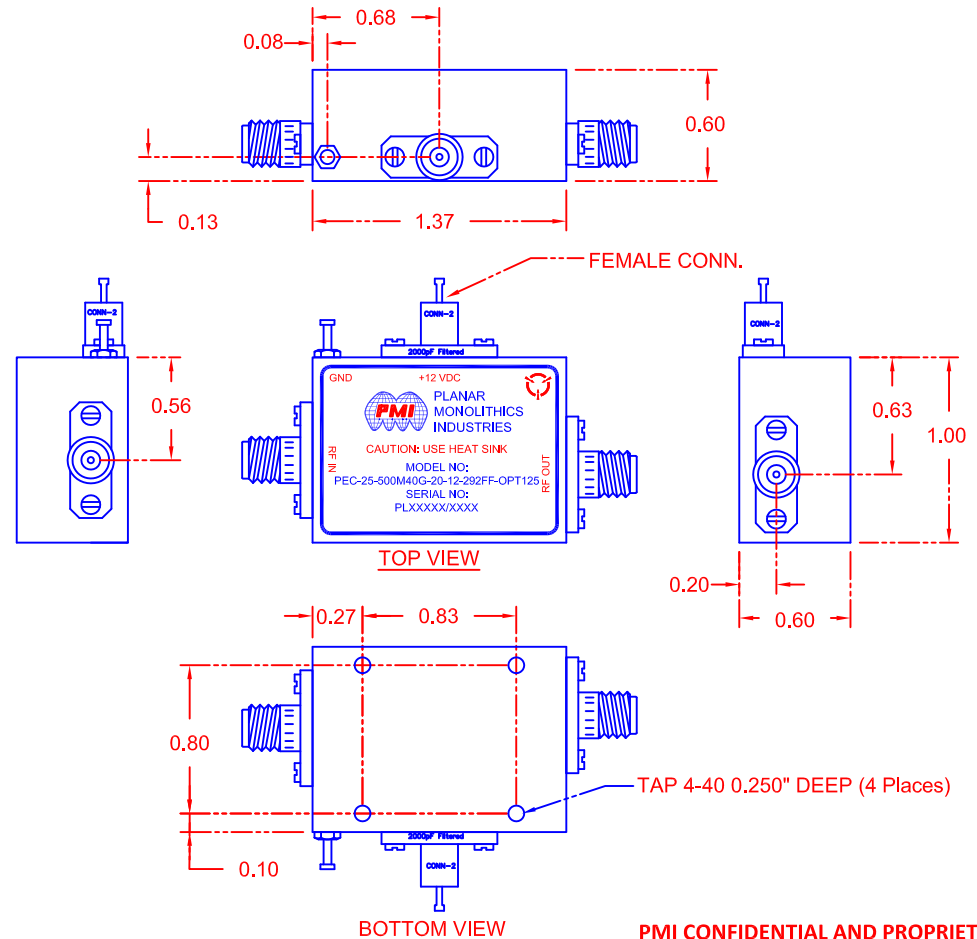
Temperature:	-55 to +85°C (Operating) -65 to +117°C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A.
Vibration:	MIL-STD-202F, METHOD 204D COND B.

Note: The above specifications may change over temperature.

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	11/13/18	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN	<i>JS</i>	7/14/15	OUTLINE DRAWING			
REDRAWN	<i>JPU</i>	7/19/18	PEC-25-500M40G-20-12-292FF-OPT125			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27035780	A1
			SCALE	SHEET		1 OF 1
			N:S			