

Model Number PEC-42-500M40G-20-12-292MM is a 500MHz - 40 GHz low noise amplifier. This amplifier has a gain of 42 dB with +/- 2.5 dB flatness.

Specifications:

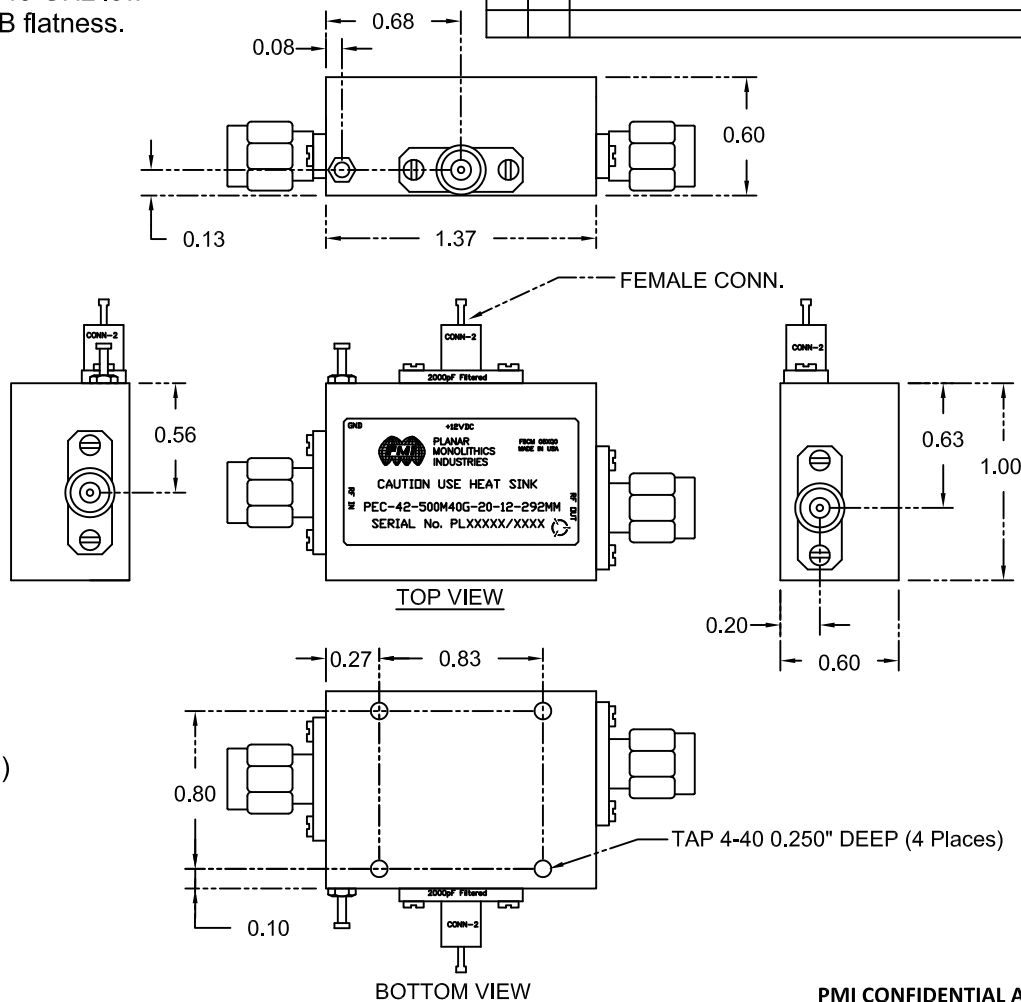
Frequency Range:	0.5 to 40 GHz
Gain:	42 dB Typ.
Gain Flatness:	+/- 2.5 dB Typ.
Noise Figure:	5.5 dB Typ. (Up to 20 GHz)
OP1dB:	+22 dBm Typ. 1 to 18 GHz +19 dBm Typ. 18 to 40 GHz
Input Power Handling:	+17 dBm CW Max.
VSWR Input/Output:	2.0:1 / 2.5:1 Max.
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	450 mA Nominal

Size: 1.37" (L) X 1.00" (W) X 0.60" (H)
Connectors: 2.92mm (M)

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.

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	05/15/13	



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



		TITLE			
APPROVALS	DATE	OUTLINE DRAWING PEC-42-500M40G-20-12-292MM			
DRAWN <i>ANG</i>	05/15/13				
CHECKED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27019463	REV. 1
ISSUED		SCALE N:S		SHEET 1 OF 1	