

Description:

Model Number PEC-30-500M40G-20-12-292FF is a 500MHz - 40 GHz low noise amplifier. This amplifier has a typical gain of 30 dB with +/- 2.5 dB flatness.

This model provides the following performance.

Specifications:

Frequency Range: 0.5 to 40 GHz
Gain: 30 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: 350 mA Nominal

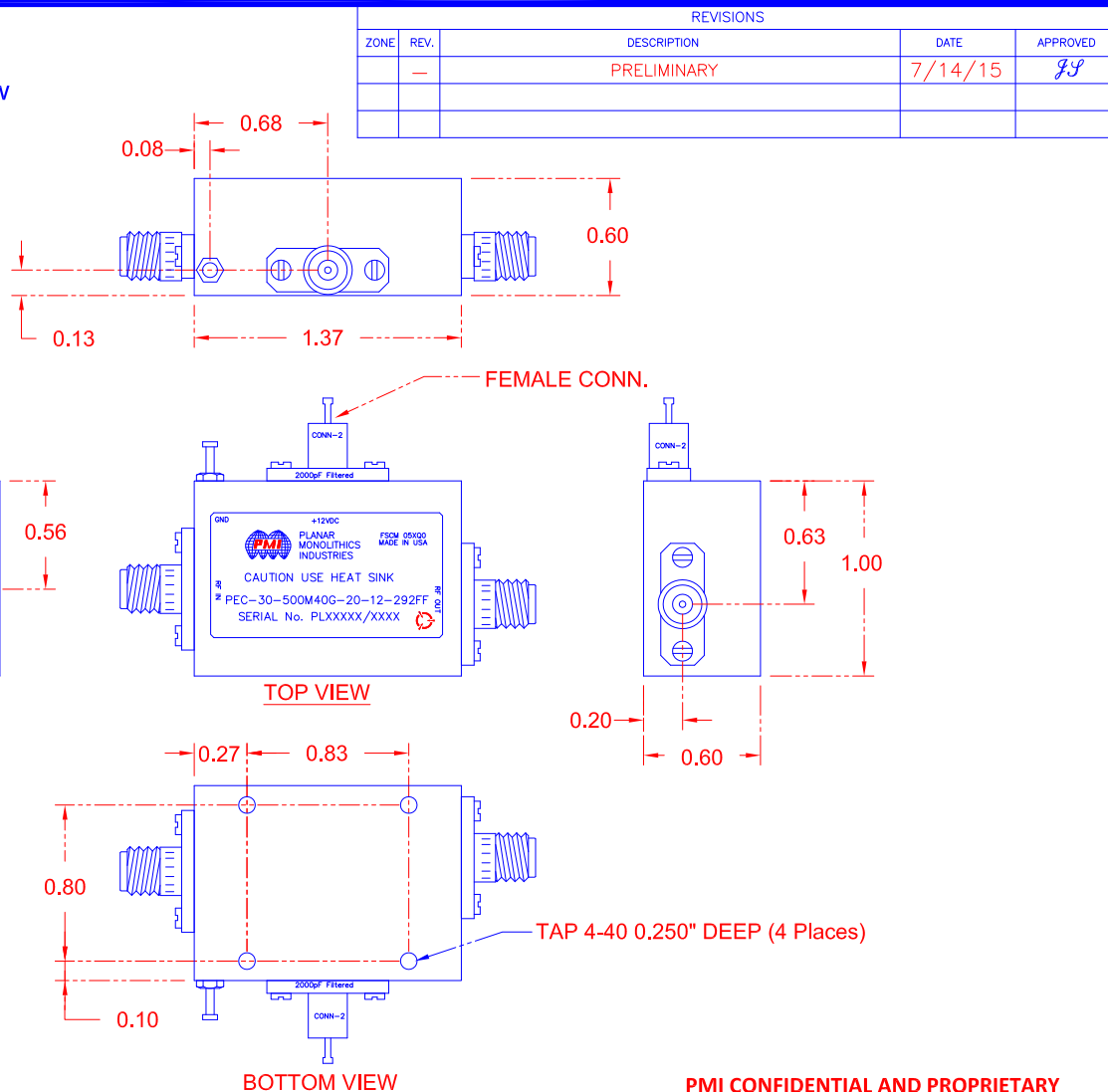
Size: 1.37" (L) X 1.00" (W) X 0.60" (H)
Connectors: 2.92mm (F)

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.



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN JS		7/14/15		OUTLINE DRAWING	
CHECKED				PEC-30-500M40G-20-12-292FF	
ISSUED					
SIZE A		FSCM NO. 05XQ0		DWG NO. PRELIMINARY	
SCALE N:S				SHEET 1 OF 1	

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