

Description:

Model Number PEC-30-500M40G-20-12-292FF-OPT18G40G is a 18.0 to 40.0 GHz low noise amplifier. This amplifier has a typical gain of 30 dB with +/- 1.5 dB flatness.

This model provides the following performance.

Specifications:

Frequency Range:	18.0 to 40.0 GHz
Gain:	30 dB Typ.
Gain Flatness:	+/- 1.5 dB Typ.
Noise Figure:	5.5 dB Typ. (Up to 20 GHz)
OP1dB:	+19 dBm Typ.
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

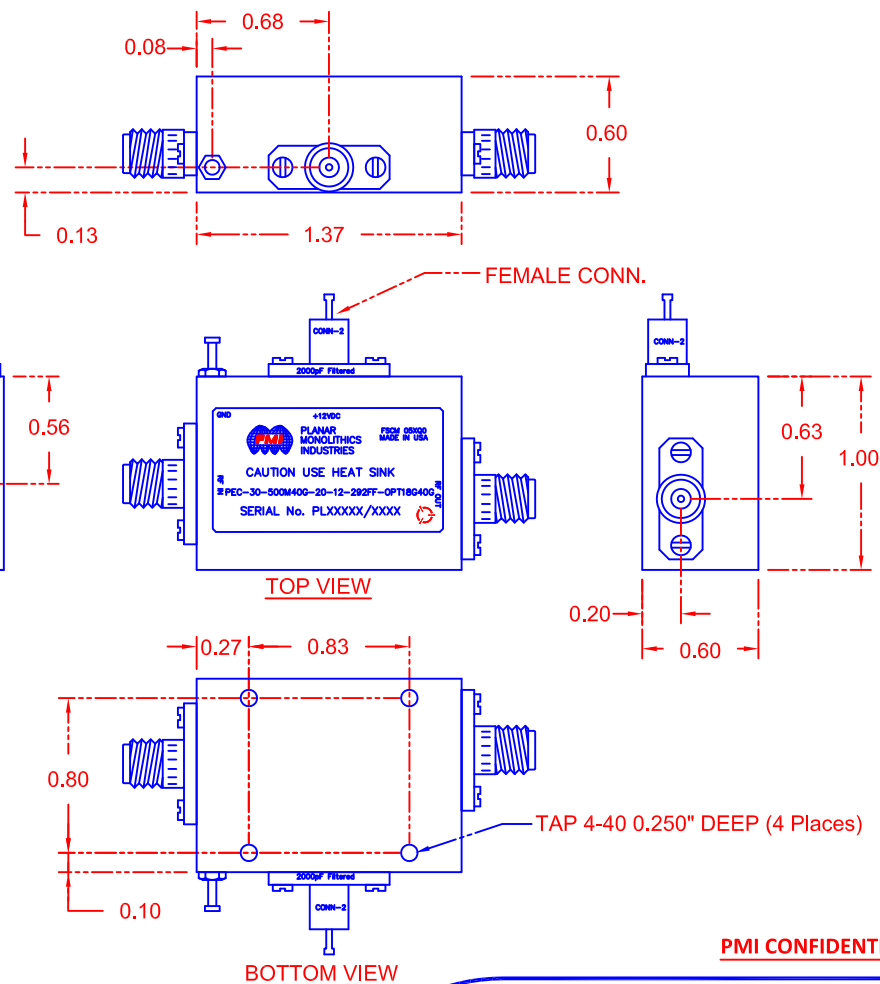
Size:	1.37" (L) X 1.00" (W) X 0.60" (H)
Connectors:	2.92mm (F)

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		3/17/16		OUTLINE DRAWING			
CHECKED				PEC-30-500M40G-20-12-292FF-OPT18G40G			
ISSUED				SIZE	FSCM NO.	OWG NO.	REV.
				A	05XQ0		PRELIMINARY
				SCALE	N:S	SHEET 1 OF 1	

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