

Model Number PEC-42-1G40G-20-12-292FF is a 1 - 40 GHz low noise amplifier. This amplifier has a gain of 42 dB with +/- 2.5 dB flatness.

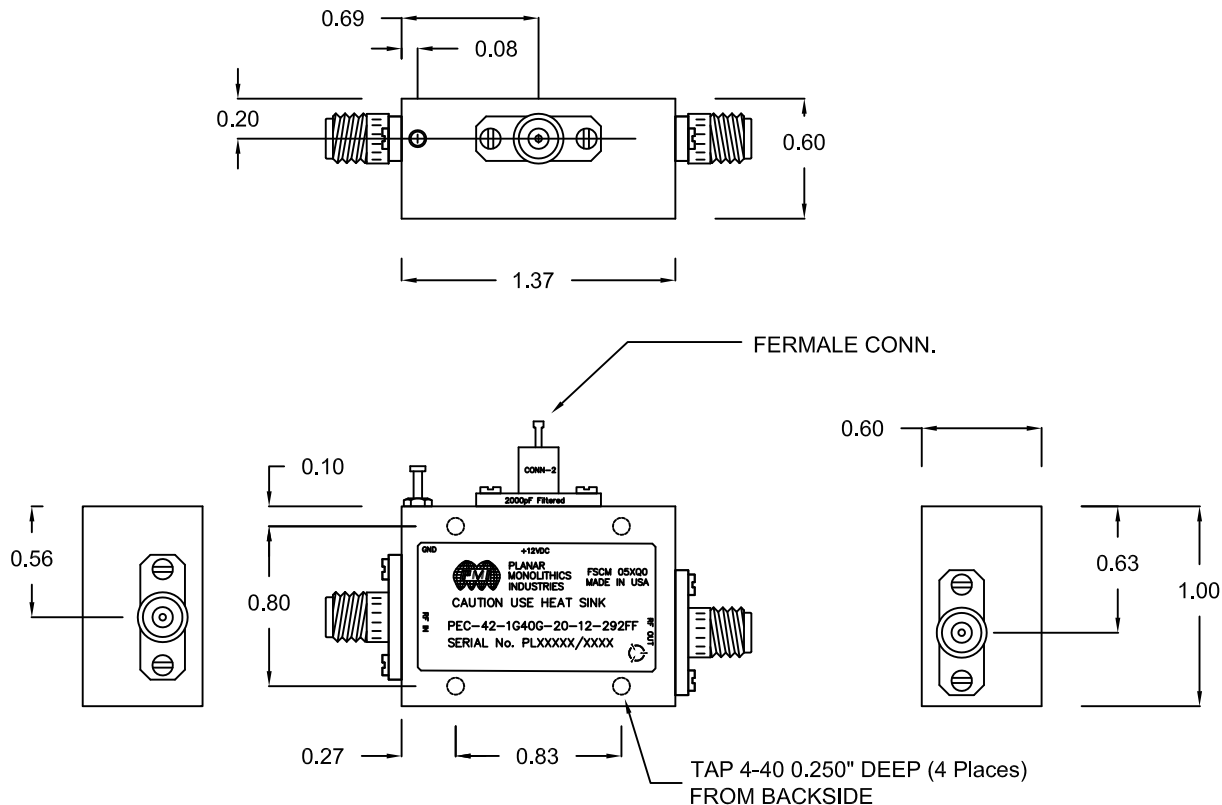
Specifications:

Frequency Range:	1 to 40 GHz
Gain:	42 dB Typ.
Gain Flatness:	+/- 2.5 dB Typ.
Noise Figure:	5.5 dB Typ.
OP1dB:	+22 dBm Typ. 1 to 18 GHz +19 dBm Typ. 18 to 40 GHz
Max. CW RF Input:	+17 dBm CW
VSWR Input / Output:	2.0:1 / 2.5:1 Max.
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	550 mA Typ.
Connectors:	SMA Female
Size:	1.37" x 1.0" x 0.6"

Temperature:	-55°C to +85°C (Operating) -65°C 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

Note: The above specifications may change over temperature.
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/11/10	
	B1	ECN # 13-0103	7/31/13	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE OUTLINE DRAWING PEC-42-1G40G-20-12-292FF			
DRAWN <i>DP</i>		10/11/10				
CHECKED						
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27013591	REV B
			SCALE N:S		SHEET 1 OF 1	

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