

Description:

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	DRIGINAL RELEASE	10/11/10

This model provides the following performance.

Specifications:

Frequency Range:

Gain:

Gain Flatness:

Noise Figure:

OP1dB:

Input Power Handling:

VSWR Input/Output:

DC Voltage Supply:

DC Current Draw:

1 to 40 GHz

40 dB MIN

+/- 2.5 dB Typ.

TBD 5 dB Typ.

+23 dBm Typ. 1 to 18 GHz

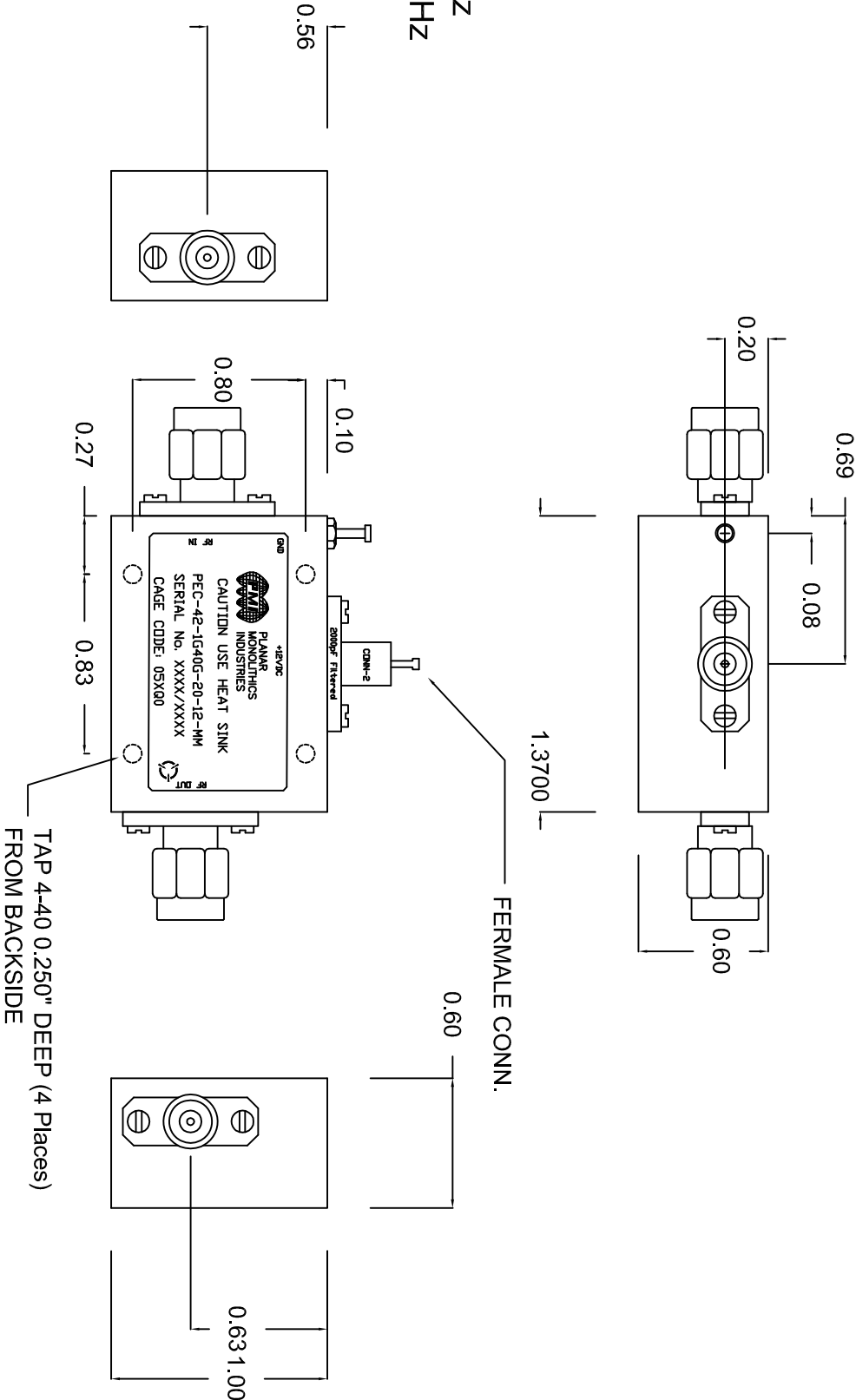
+18 dBm MIN. 18 to 40 GHz

TBD

2.5:1 Typ.

+12 VDC

600 mA Typ.



Environmental Ratings:

Temperature:

-55 to +85 Deg. C (Operating)
-65 to +117 Deg. C (Storage)

Humidity:

MIL-STD-202F, METHOD 103B COND B.
MIL-STD-202F, METHOD 213B COND B.

Shock:

MIL-STD-202F, METHOD 105C COND B.

Altitude:

MIL-STD-202F, METHOD 107D COND A

Temperature Cycle:

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .005 ± .010 ± .015				PART NO.		 7311-F GROVE ROAD FREDERICK, MARYLAND			
MATERIAL: ALUMINUM ALLOY 6061-T6				APPROVALS		DATE		TITLE	
FINISH: 50 u in MIN GOLD PLATE OVER COPPER FLASH, NICKEL FLASH, MIL G 45204 TYPE 2				DRAWN JGV		10/11/10		Outline Drawing	
DO NOT SCALE DRAWING				CHECKED				PEC-42-1G40G-20-12-292MM	
APPLICATION				ISSUED				SIZE FPMG NO. DWG NO. REV.	
				B		N/S		27013581 A	
				SHEET		1 OF 1			