

Description:

Model Number PEC-50-1G40G-20-12-292FF-BG is a 500 MHz - 40 GHz low noise amplifier. This amplifier has a gain of 50 dB with +/- 2.5 dB flatness.

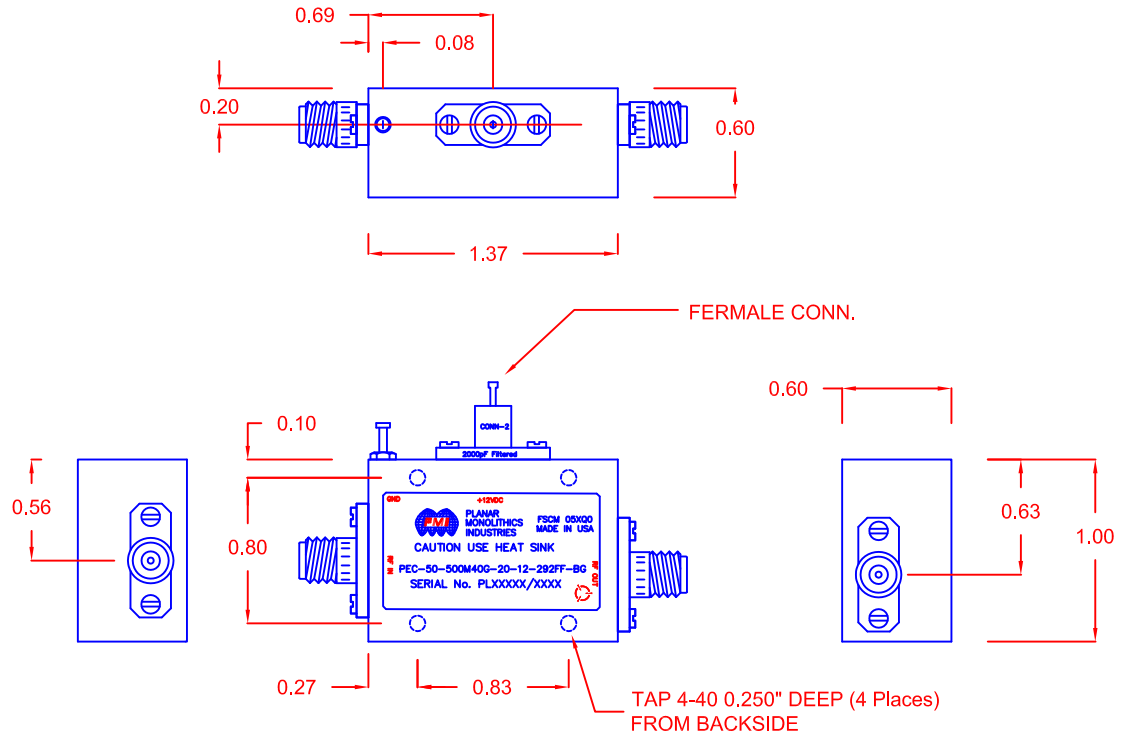
This model provides the following performance.

Specifications:

- Frequency Range: 500 MHz to 40 GHz
- Gain: 50 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: 600 mA Typ.
- Connectors: 2.92mm Female
- Size: 1.37" x 1.0" x 0.6"

*UP TO 20 GHz

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/10/21	
	B1	ECN # 21-140	10/21/21	



PMI CONFIDENTIAL AND PROPRIETARY

Environmental Ratings:

- 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.

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE	
DRAWN <i>SJM</i>		2/10/21	OUTLINE DRAWING	
CHECKED			PEC-50-500M40G-20-12-292FF-BG	
ISSUED			SIZE A	FSCM NO. 05XQ0
			DWG NO. 27040665	REV. B1
SCALE N:S			SHEET 1 OF 1	