

Model Number PEC-42-1G40G-20-12-292FF-OPT26R5G is a 1 - 26.5 GHz low noise amplifier. This amplifier has a gain of 42 dB with +/- 2.5 dB flatness and offers the specifications as listed below.

Specifications:

Frequency Range:	1 to 26.5 GHz
Gain:	42 dB Typ.
Gain Flatness:	+/- 2.5 dB Typ.
Noise Figure:	5.5 dB Max.
OP1dB:	+20 dBm Typ. 1 to 18 GHz +18 dBm Typ. 18 to 26.5 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 Nominal
Connectors:	2.92mm Female
Size:	1.37" x 1.0" x 0.6"

Technical drawing of the PEC-42-10400-20-12-292FF-0PT26R5G device, showing top and front views with dimensions in inches.

Top View Dimensions:

- Overall width: 1.37
- Overall height: 0.60
- Distance from left edge to center: 0.20
- Distance from center to right edge: 0.08
- Distance from top edge to center: 0.69

Front View Dimensions:

- Overall width: 1.00
- Overall height: 0.63
- Distance from left edge to center: 0.56
- Distance from center to right edge: 0.60
- Distance from top edge to center: 0.10
- Distance from bottom edge to center: 0.80
- Distance from left edge to bottom edge: 0.27
- Distance from center to bottom edge: 0.83

Labels and Text:

- FERMALE CONN. (pointing to the top connector)
- CAUTION USE HEAT SINK
- PLANAR MONOLITHICS INDUSTRIES
- MADE IN USA
- FSCM 05X00
- PEC-42-10400-20-12-292FF-0PT26R5G
- SERIAL No. PU00000/000X
- +12 to +15VDC
- TAP 4-40 0.250" DEEP (4 Places) FROM BACKSIDE

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

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 OUTLINE DRAWING PEC-42-1G40G-20-12-292FF-OPT26R5G			
DRAWN <i>DP</i>		10/11/10				
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV —
ISSUED			SCALE N:S		SHEET 1 OF 1	