

20 GHz to 40 GHz, 30 dB Gain Broadband High Gain Amplifier with 10 dBm and 2.92mm

FMAM3501 is a Portable Amplifier that operates over the 20.0 to 40.0 GHz Frequency Range. The amplifier has a typical gain of 30 dB and a P1dB of +10 dBm minimum. The amplifier has an On/Off switch that is located on the Front Panel. Input/Output Connectors are 2.92mm. The amplifier comes with a fuse and a 6 foot power cord.



Electrical Specifications (TA = +25°C)

Description	Min	Typ	Max	Unit
Frequency Range	20		40	GHz
Gain		30		dB
Gain Flatness		±2		dB
P1dB	+10			dBm
Noise Figure (Only Measured to 26.5 GHz)		5		dB
Input VSWR			2:1	
Output VSWR			2:1	
Operating AC Voltage (Supplied with a fuse and 6 foot power cord)		115, 60 Hz		VAC
Operating Temperature Range (OTR)	-40		+85	°C

Features:

- 20.0 to 40.0 GHz Frequency Range
- Gain of 30 dB typ
- On/Off Switch on Front Panel
- Gain Flatness of ±3.0 dB max
- P1dB of +10 dBm
- Input/Output Connectors 2.92mm Female.

Applications:

- Test and Measurement
- General Purpose Broadband High Gain Amplifier
- Lab Test Amplifier
- Portable Broadband Amplifier

Mechanical Specifications

Size	
Length	4.92 in [124.97 mm]
Width	4.92 in [124.97 mm]
Height	2.26 in [57.4 mm]
Input Connector	2.92mm Female
Output Connector	2.92mm Female

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Storage Range	-40 to +100 deg C
Humidity	MIL-STD-202F, Method 103B COND. B
Shock	MIL-STD-202F, Method 213B COND. B
Vibration	MIL-STD-202F, Method 204D COND. B
Altitude	MIL-STD-202F, Method 105C COND. B
Temperature Cycle	MIL-STD-202F, Method 107D COND. A

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

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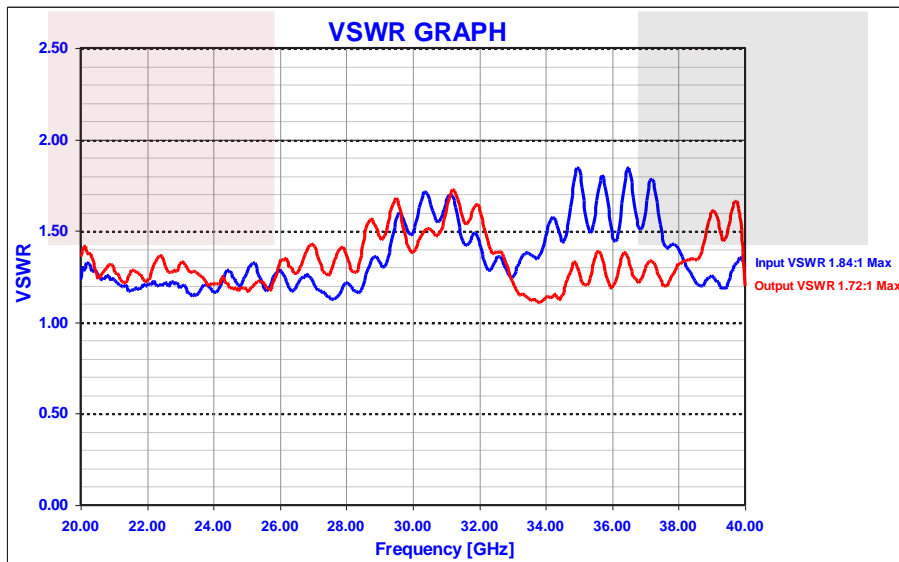
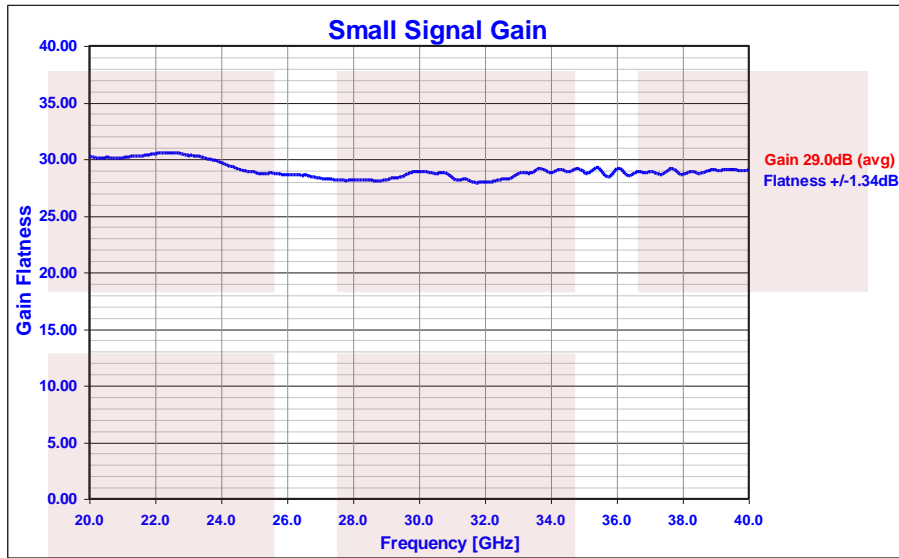
Plotted and Other Data

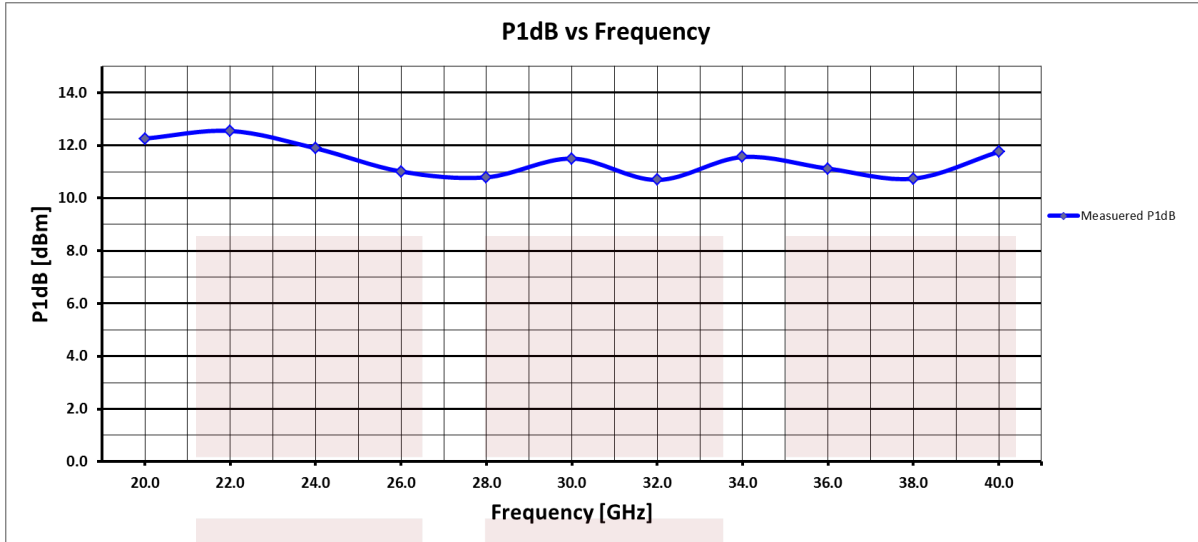
Notes:

- Values at 25 °C, sea level
- ESD Sensitive Material, Transport material in Approved ESD bags. Handle only in approved ESD Workstation.



Typical Performance Data



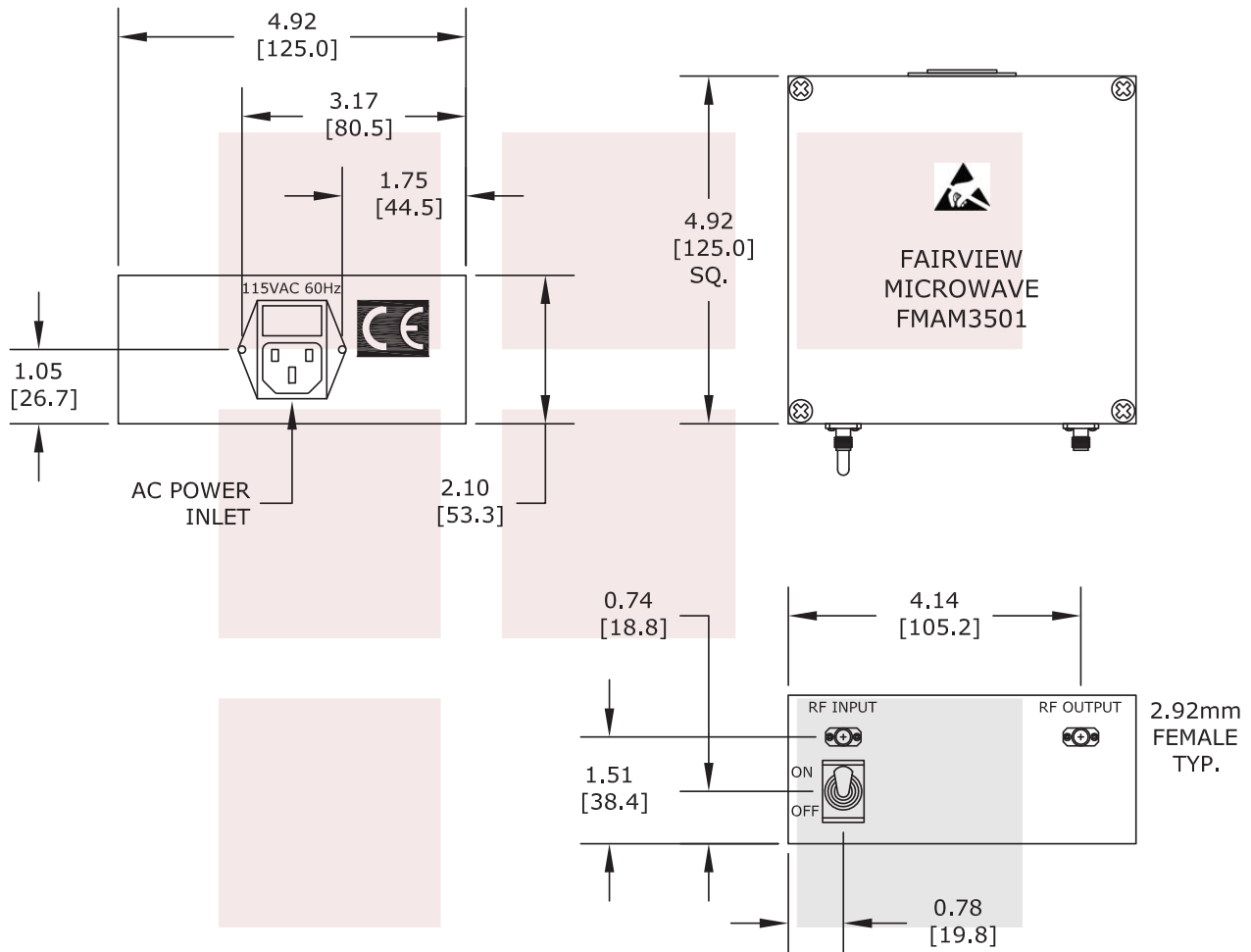


20 GHz to 40 GHz, 30 dB Gain Broadband High Gain Amplifier with 10 dBm and 2.92mm from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [20 GHz to 40 GHz, 30 dB Gain Broadband High Gain Amplifier with 10 dBm and 2.92mm FMAM3501](http://www.fairviewmicrowave.com/20-40-ghz-broadband-high-gain-amplifier-fmam3501-p.aspx)

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TITLE 20 GHz to 40 GHz, 30 dB Gain Broadband High Gain Amplifier with 10 dBm and 2.92mm		DWG NO FMAM3501		CAGE CODE 3FKR5	
CAD FILE	010716	SHEET	SCALE	N/A	SIZE A 2233