

22 dB Gain Block Amplifier Operating From 200 MHz to 2.5 GHz with 15 dBm P1dB and SMA

The FMAM25 is wideband general purpose RF coaxial gain block amplifier operating in the 0.2 GHz to 2.5 GHz frequency range. The amplifier offers 15 dBm of P1dB, 22 dB of Gain. This exceptional technical performance is achieved through the use of hybrid MIC design . This gain block amplifier requires only a single positive supply, typically a +15V DC power supply.

Electrical Specifications (TA = +25°C, DC Voltage = 15Volts, DC Current = 120mA)

Description	Min	Typ	Max	Unit
Frequency Range	0.2		2.5	GHz
Small Signal Gain	19	22	24	dB
Gain Flatness		±1.25		dB
Noise Figure			6	dB
Operating DC Voltage	9		15	Volts
Operating DC Current			120	mA
Operating Temperature Range	-10		+65	°C

Mechanical Specifications

Size	
Length	2.18 in [55.37 mm]
Width	1.18 in [29.97 mm]
Height	0.49 in [12.45 mm]
Weight	0.027 lbs [12.25 g]
Input Connector	SMA Female
Output Connector	SMA Female

Environmental Specifications

Temperature	
Operating Range	-10 to +65 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

- Notes:
- Values at 25 °C, sea level



Features:

- 0.2 GHz to 2.5 GHz Frequency Range
- P1dB: 15 dBm
- High Small Signal Gain: 22 dB
- 50 Ohm Input and Output Matched
- Unconditionally Stable
- Single DC Positive Supply

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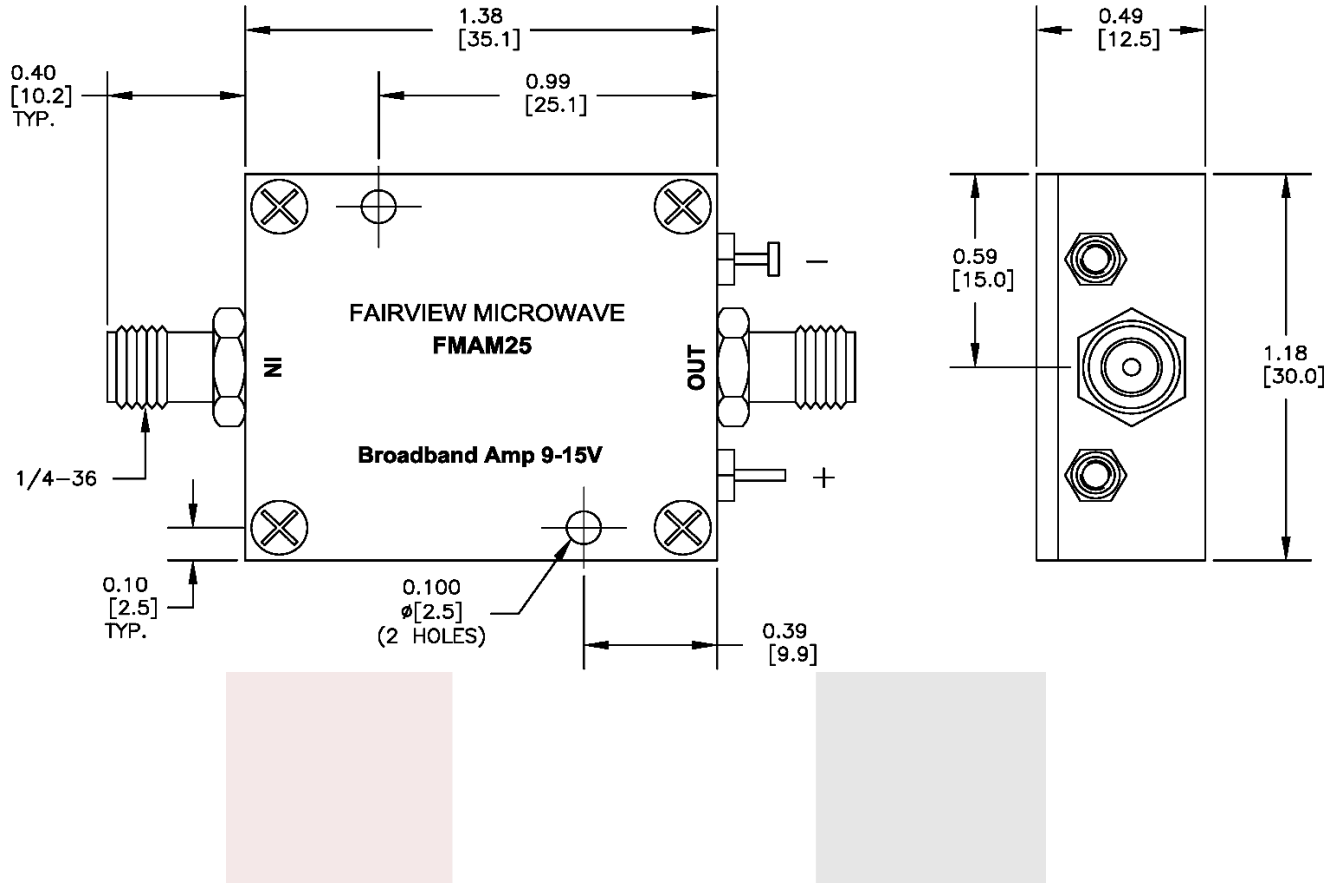
22 dB Gain Block Amplifier Operating From 200 MHz to 2.5 GHz with 15 dBm P1dB and SMA from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [22 dB Gain Block Amplifier Operating From 200 MHz to 2.5 GHz with 15 dBm P1dB and SMA FMAM25](#)

URL: <https://www.fairviewmicrowave.com/22-db-gain-block-amplifier-2.5-ghz-fmam25-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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TITLE 22 dB Gain Block Amplifier Operating From 200 MHz to 2.5 GHz with 15 dBm P1dB and SMA		DWG NO FMAM25		CAGE CODE 3FKR5				
CAD FILE	101917	SHEET	1 OF 1	SCALE	N/A	SIZE	A	7361