

26 dB Gain Block Amplifier Operating From 1 GHz to 4 GHz with 15 dBm P1dB and SMA

The FMAM19 is wideband general purpose RF coaxial gain block amplifier operating in the 1 GHz to 4 GHz frequency range. The amplifier offers 15 dBm of P1dB, 26 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 +12V DC power supply.

Electrical Specifications (TA = +25°C, DC Voltage = 12Volts, DC Current = 120mA)

Description	Min	Typ	Max	Unit
Frequency Range	1		4	GHz
Small Signal Gain		26		dB
Gain Flatness		±0.5	±1	dB
Noise Figure			2.5	dB
Input VSWR			2:1	
Output VSWR			2:1	
Operating DC Voltage			12	Volts
Operating DC Current			120	mA
Operating Temperature Range	-30		+70	°C

Mechanical Specifications

Size	
Length	2.36 in [59.94 mm]
Width	2.36 in [59.94 mm]
Height	0.75 in [19.05 mm]
Weight	0.261 lbs [118.39 g]
Input Connector	SMA Female
Output Connector	SMA Female

Environmental Specifications

Temperature	
Operating Range	-30 to +70 deg C

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

Plotted and Other Data

- Notes:
- Values at 25 °C, sea level



Features:

- 1 GHz to 4 GHz Frequency Range
- P1dB: 15 dBm
- High Small Signal Gain: 26 dB
- 50 Ohm Input and Output Matched
- Unconditionally Stable
- Single DC Positive Supply

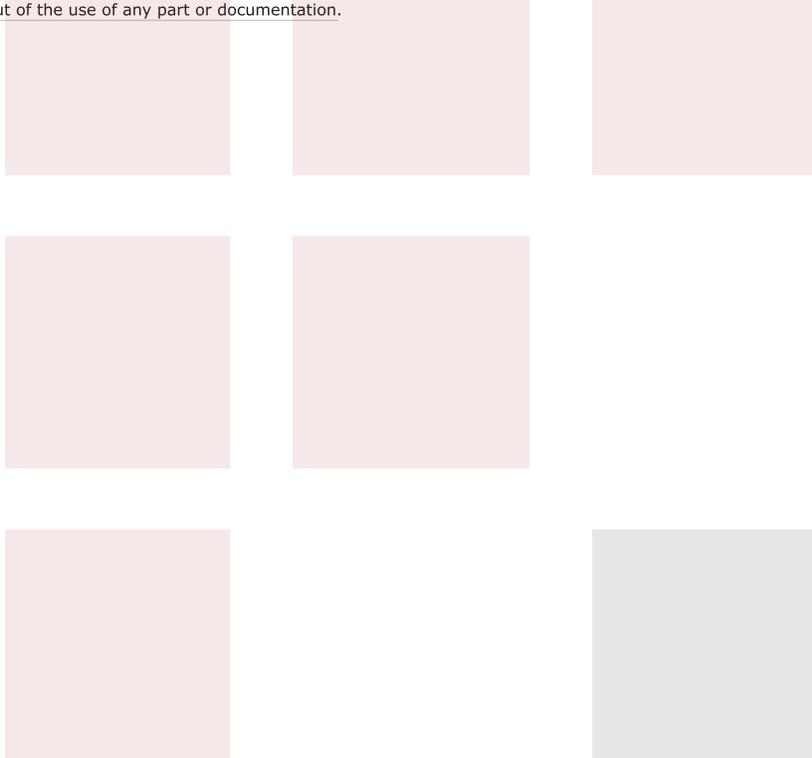
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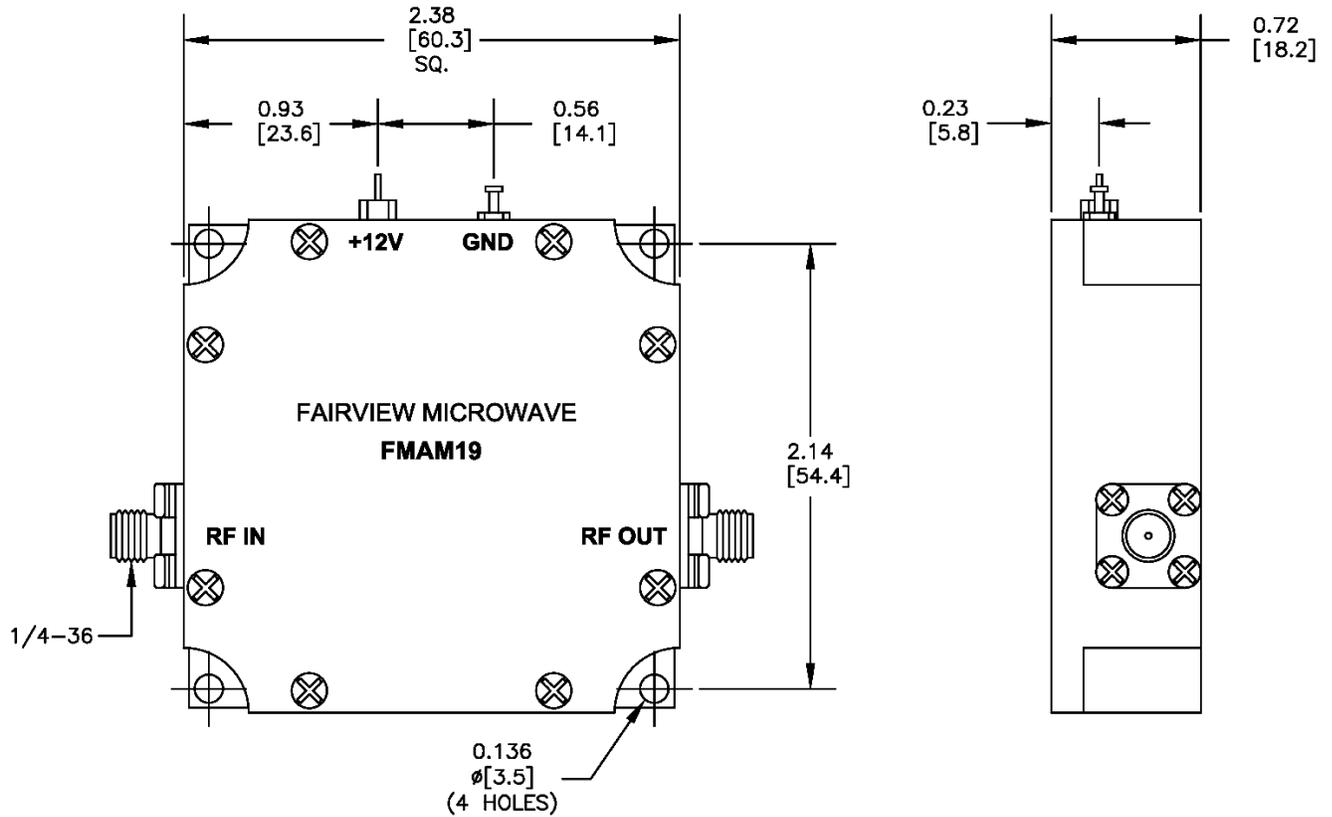
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For additional information on this product, please click the following link: [26 dB Gain Block Amplifier Operating From 1 GHz to 4 GHz with 15 dBm P1dB and SMA FMAM19](#)

URL: <https://www.fairviewmicrowave.com/26-db-gain-block-amplifier-4-ghz-fmam19-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 26 dB Gain Block Amplifier Operating From 1 GHz to 4 GHz with 15 dBm P1dB and SMA		DWG NO FMAM19		CAGE CODE 3FKR5		
CAD FILE	101917	SHEET	1 OF 1	SCALE	N/A	SIZE A 7361