FMAM3268 is a broadband coaxial low noise amplifier, operating in the 18 to 40 GHz frequency range. The amplifier offers +10 dBm of P1dB minimum and 18-21 dB small signal gain, and ±2.0 dB maximum gain flatness. This low noise amplifier requires only a single positive DC supply, in unconditionally stable, operates over the temperature range of -20°C to 85°C, and is Hermetically sealed. The Input/Output Connectors are 2.4mm Female.

### Electrical Specifications (TA = +25°C, DC Voltage = 15Volts, DC Current = 250mA)

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<tr>
<th>Description</th>
<th>Min</th>
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<tr>
<td>Gain</td>
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<td>Gain Flatness</td>
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<td>±2</td>
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<td>P1dB</td>
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<td>dBm</td>
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<td>Noise Figure</td>
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<td>Input VSWR</td>
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<td>Output VSWR</td>
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<tr>
<td>Operating DC Voltage</td>
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<td>Operating DC Current</td>
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<td>+85</td>
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### Mechanical Specifications

**Size**
- Length: 1 in [25.4 mm]
- Width: 1.75 in [44.45 mm]
- Height: 0.41 in [10.41 mm]
- Input Connector: 2.4mm
- Output Connector: 2.4mm

### Environmental Specifications

**Temperature**
- Operating Range: -20 to +85 deg C
- Storage Range: -55 to +85 deg C
- Humidity: MIL-STD-810F, Up to 95%
- Altitude: 30,000 Feet

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**Features:**
- 18 to 40 GHz Frequency Range
- P1dB: 10 dBm min
- Small Signal Gain: 18 dB min
- Gain Flatness: ±2.0 dB max
- P1dB: 10 dBm min
- Noise Figure: 5.5 dB max
- 50 Ohm Input and Output Matched
- -20 to +85°C Operating Temperature
- Unconditionally Stable
- Single DC Positive Supply
- Built-in DC Voltage Regulator
- Input/Output 2.4mm Female Connectors

**Applications:**
- Laboratory Applications
- R&D Labs
- Test Instrumentation
- Military & Space
- Communication Systems
- Satellite Communications
- Wireless Communications
- Unmanned Systems
- Microwave Radio Systems
- Low Noise Amplifier
- General Purpose Amplification
- RF Front Ends

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Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com
Compliance Certifications (visit www.FairviewMicrowave.com for current document)

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.
• Heat Sink Required for Proper Operation, Unit is cooled by conduction to heat sink.

5.5 dB NF, 18 GHz to 40 GHz, Low Noise Broadband Amplifier with 10 dBm, 18 dB Gain and 2.4mm 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: 5.5 dB NF, 18 GHz to 40 GHz, Low Noise Broadband Amplifier with 10 dBm, 18 dB Gain and 2.4mm FMAM3268


The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.
5.5 dB NF, 18 GHz to 40 GHz, Low Noise Broadband Amplifier with 10 dBm, 18 dB Gain and 2.4mm

**NOTE:**
HEAT SINK REQUIRED FOR PROPER OPERATION,
UNIT IS COOLED BY CONDUCTING TO HEAT SINK.

**FMAM3268**

**FAIRVIEW MICROWAVE INC.**
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

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