

## Medium Power Amplifier at 2 Watt P1dB Operating From 8 GHz to 11 GHz with 28 dB Gain and SMA

**Electrical Specifications** (TA = +25°C , DC Voltage = 5Volts , DC Current = 2,000mA)

| Description                 | Min | Typ   | Max | Unit  |
|-----------------------------|-----|-------|-----|-------|
| Frequency Range             | 8   |       | 11  | GHz   |
| Small Signal Gain           |     | 28    |     | dB    |
| Gain Flatness               |     | ±3    |     | dB    |
| P1dB                        |     | +32   |     | dBm   |
| Noise Figure                |     |       | 10  | dB    |
| Operating DC Voltage        |     | 5     |     | Volts |
| Operating DC Current        |     | 2,000 |     | mA    |
| Operating Temperature Range | -40 |       | +85 | °C    |

### Absolute Maximum Rating

### Configuration

- Connector 1
- Connector 2

SMA Female  
SMA Female

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

### Plotted and Other Data

Notes:

- Values at 25 °C, sea level

### Power Data

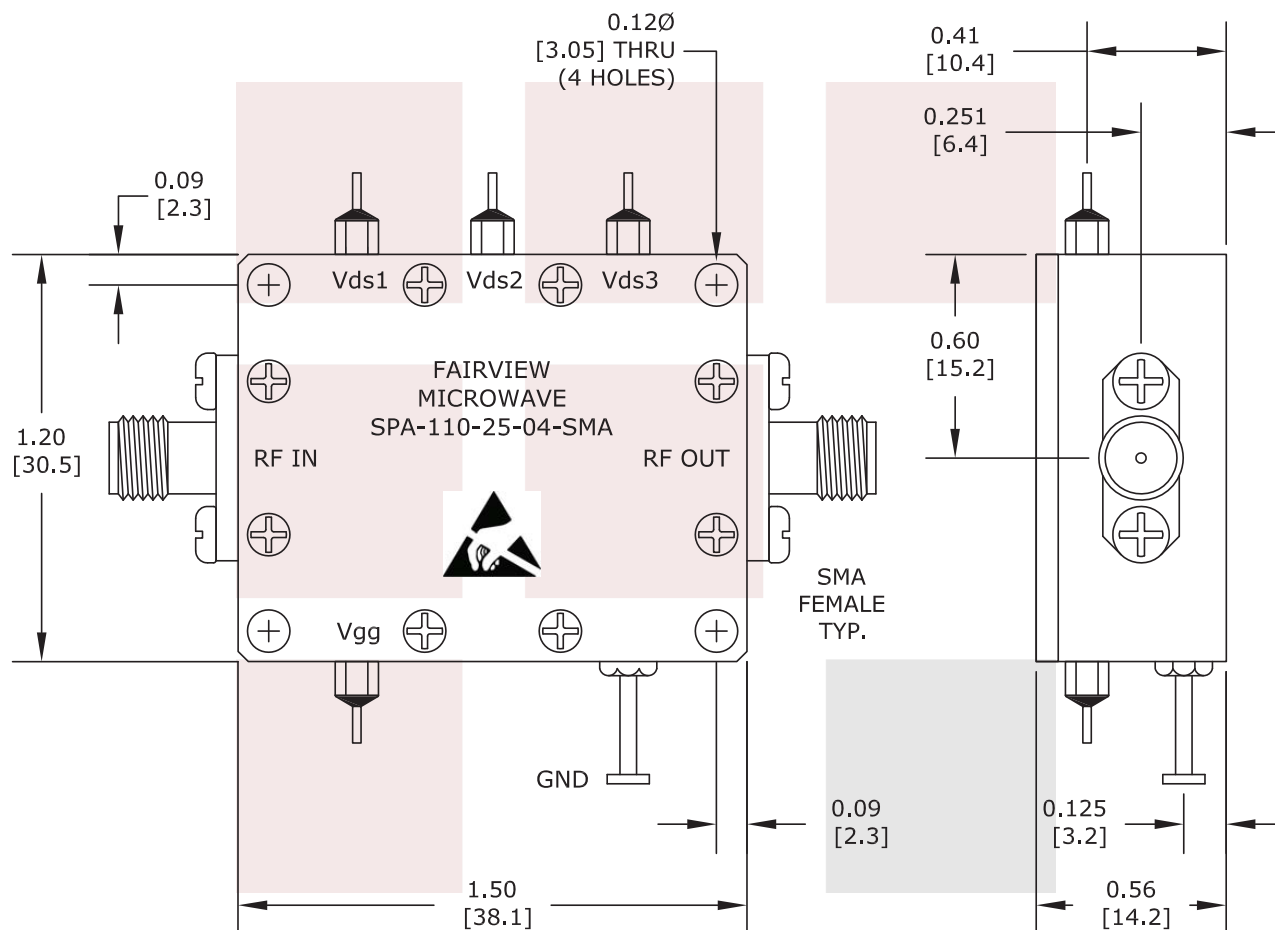
Medium Power Amplifier at 2 Watt P1dB Operating From 8 GHz to 11 GHz with 28 dB Gain and SMA from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Medium Power Amplifier at 2 Watt P1dB Operating From 8 GHz to 11 GHz with 28 dB Gain and SMA SPA-110-25-04-SMA](http://www.fairviewmicrowave.com/medium-power-amplifier-2watt-28db-spa-110-25-04-sma)

URL: <http://www.fairviewmicrowave.com/medium-power-amplifier-2watt-28db-spa-110-25-04-sma-p.aspx>

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.

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Medium Power Amplifier at 2 Watt P<sub>1dB</sub> Operating  
From 8 GHz to 11 GHz with 28 dB Gain and SMA  
4 Watt 8.0-11.0 GHz Power Amplifier 25 dB  
Gain 36 dBm Psat SMA

### NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG NO

SPA-110-25-04-SMA

CAGE CODE

3FKR5

CAD FILE

020714

SHEET

SCALE N/A

SIZE A

150