

## High Power Amplifier at 5 Watt P1dB Operating From 3.5 GHz to 7 GHz with 21 dB Gain and SMA

**Electrical Specifications** (TA = +25°C , DC Voltage = 14Volts , DC Current = 1,200mA)

Description	Min	Typ	Max	Unit
Frequency Range	3.5		7	GHz
Small Signal Gain		21		dB
Gain Flatness		±2		dB
P1dB		+37		dBm
Noise Figure			10	dB
Operating DC Voltage		14		Volts
Operating DC Current		1,200		mA
Operating Temperature Range	-55		+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

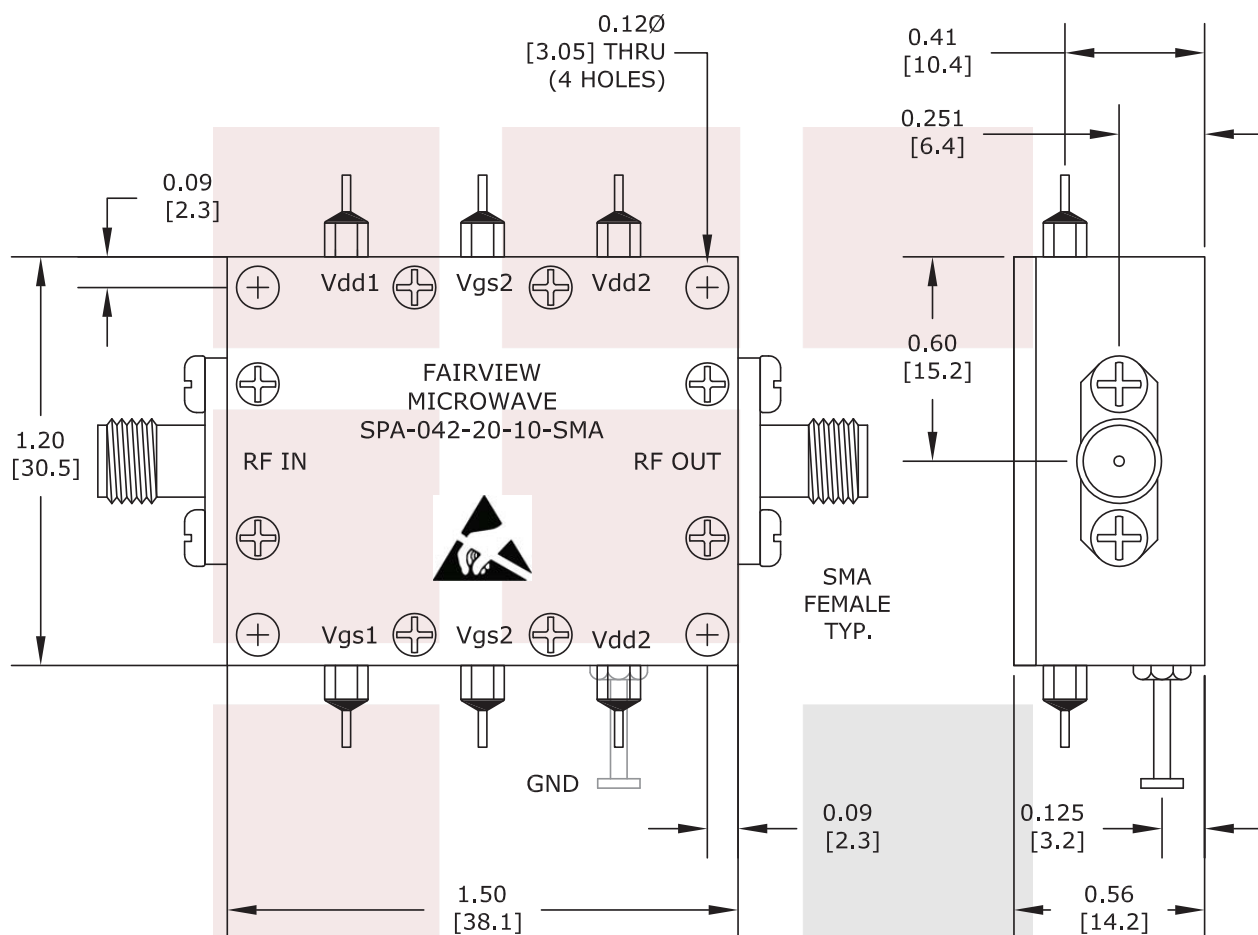
High Power Amplifier at 5 Watt P1dB Operating From 3.5 GHz to 7 GHz with 21 dB Gain and SMA from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [High Power Amplifier at 5 Watt P1dB Operating From 3.5 GHz to 7 GHz with 21 dB Gain and SMA SPA-042-20-10-SMA](http://www.fairviewmicrowave.com/high-power-amplifier-5watt-21db-spa-042-20-10-sma-p.aspx)

URL: <http://www.fairviewmicrowave.com/high-power-amplifier-5watt-21db-spa-042-20-10-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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High Power Amplifier at 5 Watt P1dB Operating From  
3.5 GHz to 7 GHz with 21 dB Gain and SMA  
10 Watt 2.6-4.2 GHz High Power Amplifier 20  
dB Gain 40 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-042-20-10-SMA

CAGE CODE

3FKR5

CAD FILE

020714

SHEET

SCALE N/A

SIZE A

150