

SPA-180-30-01-SMA-B DATA SHEET

6 GHz to 18 GHz, Medium Power Broadband Amplifier with 1 Watt, 30 dB Gain and SMA

SPA-180-30-01-SMA-B is a 30 dBm power amplifier designed for operation in the 6 GHz to 18 GHz frequency range. The amplifier provides 30 dB of Gain Min over the operating frequency range. High efficiency operation is achieved by using hybrid MIC designs and advanced GaAs PHEMT devices. The amplifier requires only +16 VDC power supply.

Electrical Specifications (TA= 25°C)

Description	Min	Тур	Мах	Unit
Frequency Range	6		18	GHz
Gain	30			dB
Gain Flatness		±1.5		dB
P1dB	+30			dBm
Input VSWR		1.8:1	2:1	
Output VSWR		1.8:1	2:1	
Operating DC Voltage 1	16		18	Volts
Operating DC Current		1,700		mA
Quiescent Current		2,500		mA
Operating Temperature Rai	nge (OTR) -40		+70	°C



Features:

- 6 GHz to 18 GHz
- Frequency Range
- P1dB +30 dBm min.
- Gain 30 dB min.
- Gain Flatness +/-1.5 dB typ

Applications:

- Medium Power Amplifier
- Driver Amp
- Military Communications
- Broadband Communication
- Test & Measurement

Mechanical Specifications

Size Length	2.65 in [67.31 mm]					
Width	2.5 in [63.5 mm]					
Height	0.45 in [11.43 mm]					
Weight	0.2925 lbs [132.68 g]					
Input Connector Output Connector	SMA Female SMA Female					

Environmental Specifications

-40 to +70 deg C
RTCA, DO-160C
RTCA, DO-160C
MIL-STD-883, METHOD 1010

Compliance Certifications (see product page 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.

Fairview Microwave 1130 Junction Dr. #100 Allen, TX 75013 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com

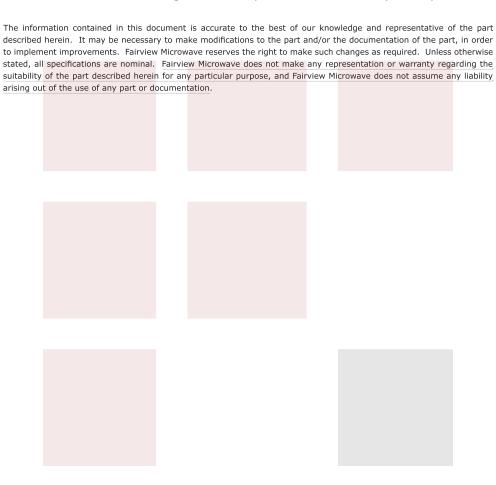


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6 GHz to 18 GHz, Medium Power Broadband Amplifier with 1 Watt, 30 dB Gain and SMA from Fairview Microwave is instock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: 6 GHz to 18 GHz, Medium Power Broadband Amplifier with 1 Watt, 30 dB Gain and SMA SPA-180-30-01-SMA-B

URL: https://www.fairviewmicrowave.com/6-18-ghz-medium-power-broadband-amplifier-spa-180-30-01-sma-b-p.aspx



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