

# RF AMPLIFIER

## MODEL QBS-343

Available as: QBS-343, SMA Connectorized Housing

### Features

- High Power: +48 dBm Typical
- High Gain: 41 dB Typical
- Efficient Class AB Design
- Environmental Screening Available

Spectrum Microwave can also customize this amplifier to your unique requirements in a timely manner. Customization and delivering prototypes with demanding specifications is what separates Spectrum Microwave from other power amplifier vendors.

### Specifications

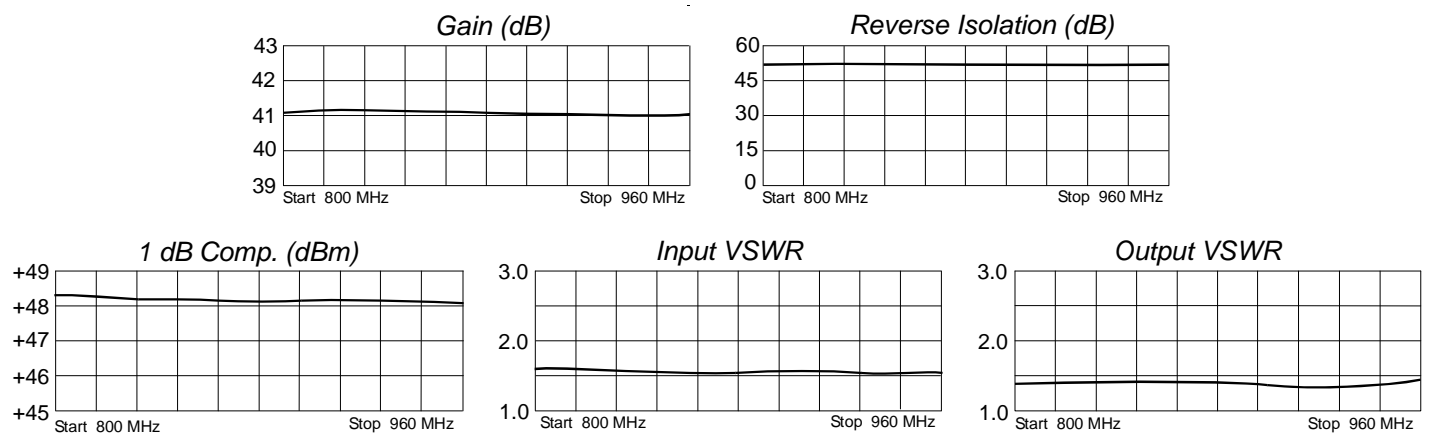
CHARACTERISTIC		TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency		800- 960 MHz	800- 960 MHz
Gain (dB)		41	39 Min.
Power @ 1 dB Comp. (dBm)		+48	+46.5 Min.
Reverse Isolation (dB)		50	45 Min.
VSWR	In	1.5:1	2.0:1 Max.
	Out	1.5:1	2.0:1 Max.
Power	Vdc	+28	+28
	m A	6000	6200 Max.

### Maximum Ratings

Ambient Operating Temperature ..... -55°C to +125 °C  
 Storage Temperature ..... -62°C to +150 °C  
 Case Temperature ..... +125 °C  
 DC Voltage ..... +30 Volts  
 Continuous RF Input Power ..... +13 dBm  
 Short Term RF Input Power ..... 50 Milliwatts (1 Minute Max.)  
 Maximum Peak Power ..... 0.5 Watt (3 µsec Max.)

Note: Care should always be taken to effectively ground the case of each unit.

### Typical Performance Data



Legend ——— +25 °C



Spectrum Microwave · 2144 Franklin Drive N.E. · Palm Bay, Florida 32905 · PH (888) 553-7531 · Fax (888) 553-7532

Rev. 7/27/10

www.SpectrumMicrowave.com Spectrum Microwave · 2707 Black Lake Place · Philadelphia, Pennsylvania 19154 · PH (215) 464-4000 · Fax (215) 464-4001