

RF AMPLIFIER

MODEL QBS-398

Available as: QBS-398, SMA Connectorized Housing

Features

- High Power: +47 dBm Typical
- High Gain: 48 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

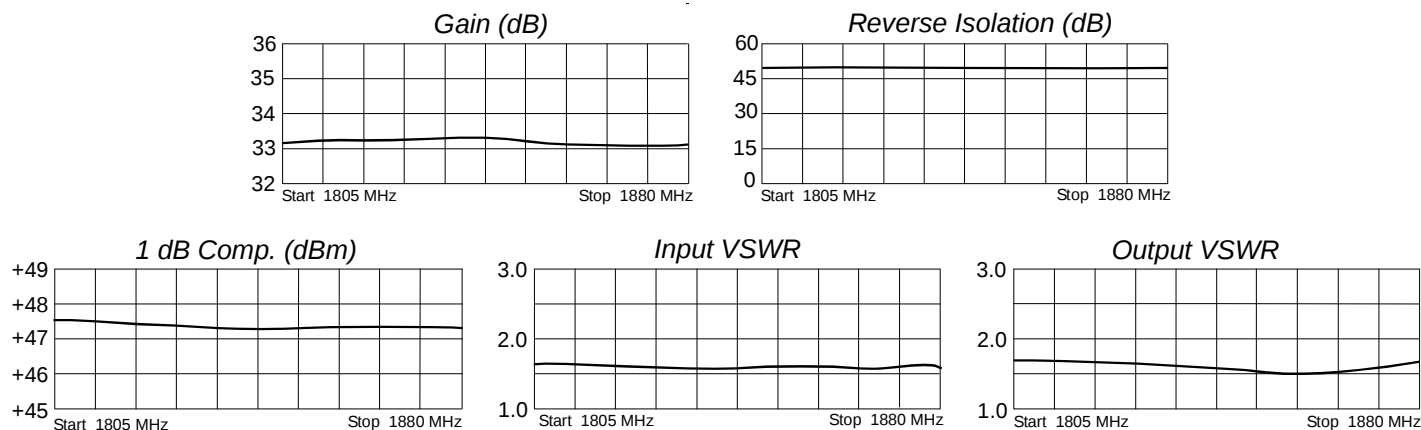
CHARACTERISTIC		TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency		1805- 1880 MHz	1805- 1880 MHz
Gain (dB)		48	46 Min.
Power @ 1 dB Comp. (dBm)		+47	+45.5 Min.
Reverse Isolation (dB)		50	45 Min.
VSWR	In	1.5:1	2.0:1 Max.
	Out	1.5:1	2.0:1 Max.
Power	Vdc	+28	+28
	m A	5000	5200 Max.

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

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.)

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