

RF AMPLIFIER

MODEL QBS-517

Available as: QBS-517, SMA Connectorized Housing

Features

- High Power: +46 dBm Typical
- High Gain: 47 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 = -30 °C to +85 °C
Frequency	(MHz)	900 - 1000 MHz	900 - 1000 MHz
Gain @ P1dB	(dB)	47	46 Min.
P1dB	(dBm)	+46	+44.5 Min.
Reverse Isolation	(dB)	55	50 Min.
VSWR	In	1.3:1	2.0:1 Max.
	Out	1.5:1	2.0:1 Max.
Power	Vdc	+28	+28
	mA	5000	5500 Max.

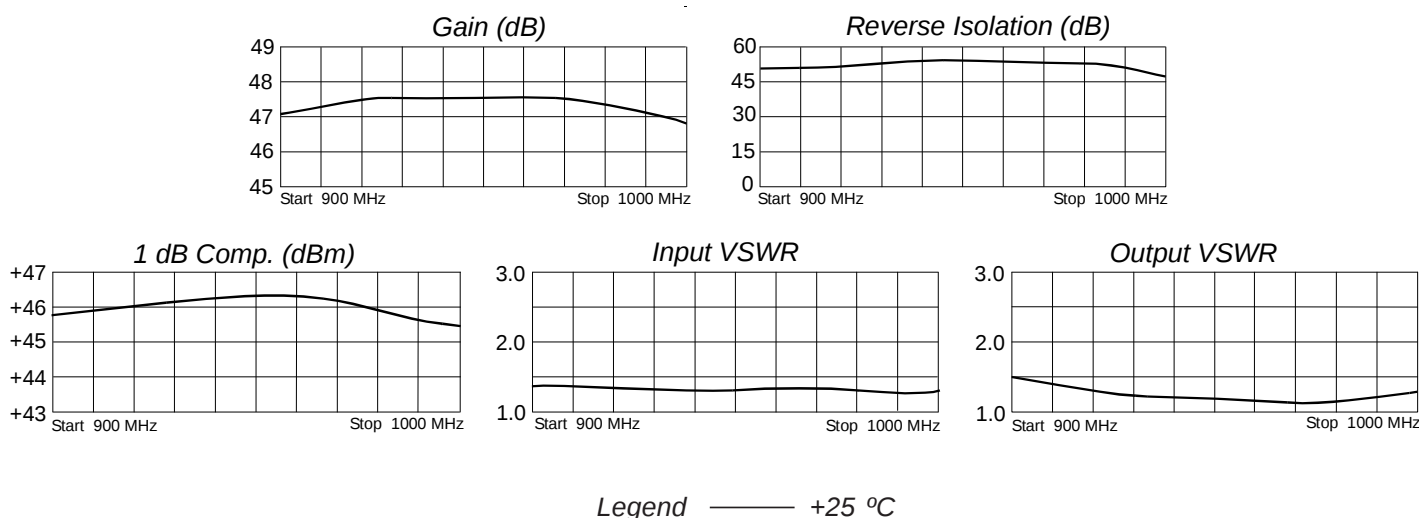
Note: Care should always be taken to effectively ground the case of each unit.
Revision 8/30/2011

Maximum (No Damage) Ratings

Ambient Operating Temperature -30°C to +85°C
Storage Temperature -40°C to +100°C
DC Voltage +30 Volts
Continuous RF Input Power +7 dBm
Short Term RF Input Power +10 dBm (1 Minute Max.)
Maximum Peak Power +10 dBm (3 µsec Max.)

Note: Adequate heat transfer must be provided when operating this amplifier.

Typical Performance Data



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