



AMPLIFIER MODULE
700 - 1000 MHz
80 Watts*
Gain: 39 dB**



VSWR Protection

P/N 1000-700-80-S-C

PERFORMANCE

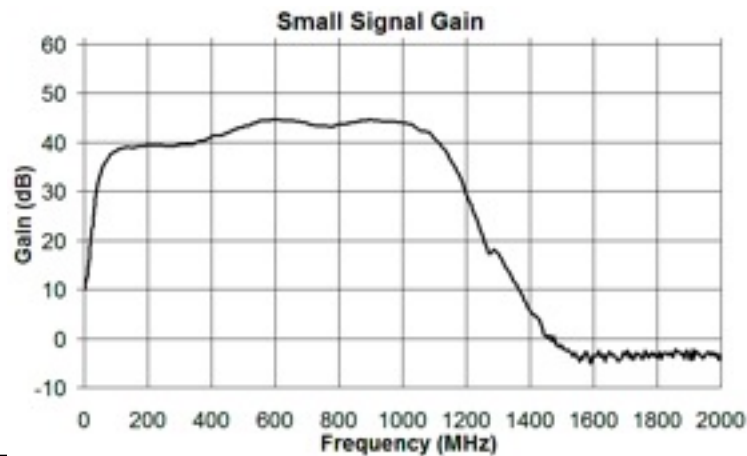
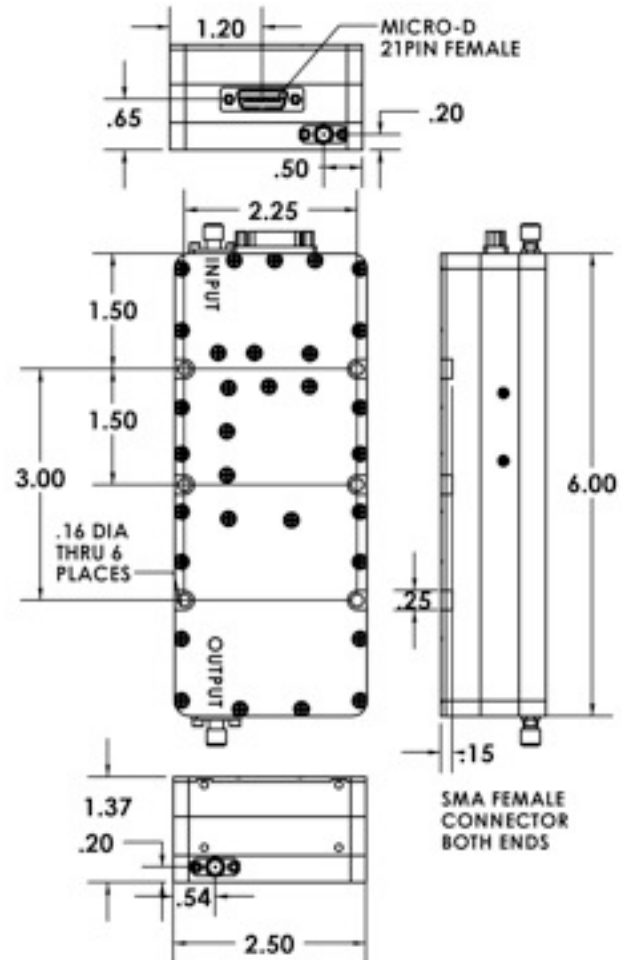
Parameters	Value
Main DC Supply	28 Vdc (9 A current limit)
Gain	39 dB (40 dB Typical)
Class	AB Linear
Efficiency	40 % Typical
Harmonics	2nd: -30 dBc Typical
Spurious	< -40 dBc
In/Out Impedance	50 Ohms
RF In/Out Connectors	SMA Female
DC Connections	21 Pin Micro-D
Size	6.0" x 2.5" x 1.37" ***
Weight	< 2 lb
Operating Temperature	-40 C to +90 C
Operating Humidity	95% - 100%
Vibration	100 G Shock
Altitude	50,000 Feet

* 100 W Typical above 700 MHz

** 40 dB Typical

*** Excluding connectors

Outline



Additional Specifications

- Load VSWR no damage: infinite any phase
- Fast Blanking: Under 2uS on/off time

Internal Subsystem Features

- Thermal Compensation from -54 to +90 C
- Thermal shutdown above 100 C
- RS232 status monitor and current limit configuration
- Single 21 pin Micro-D connector provides all DC and control connections