



**AMPLIFIER MODULE**  
**20 - 500 MHz**  
**80 Watts\***  
**Gain: 35 dB\*\***



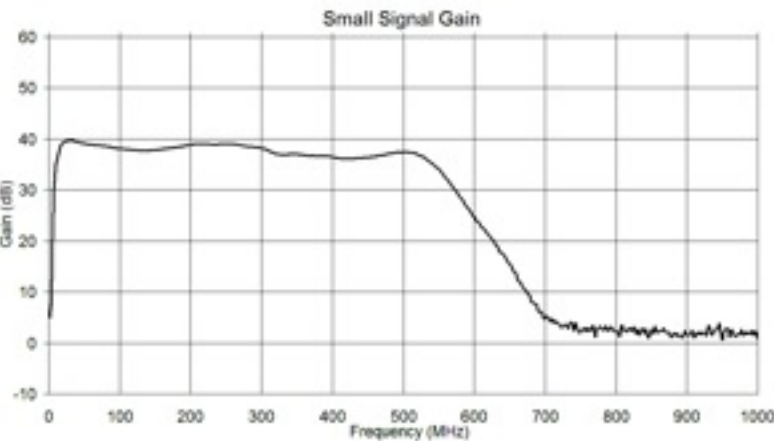
**Small Size, High Efficiency**

**P/N 500-20-80-35-E4**

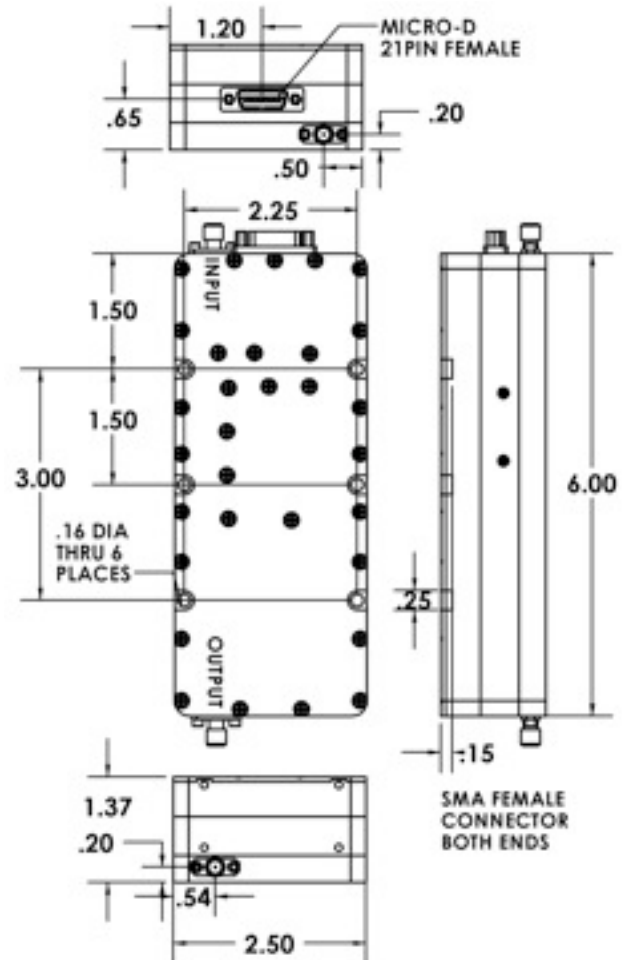
**PERFORMANCE**

Parameters	Value
Main DC Supply	28 Vdc (10 A current limit)
Bias Supply	Internal
Class	AB Linear
Efficiency	40 % Typical
Harmonics	Consult Engineering for frequencies
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 CW  
 \*\* 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