

**MODEL A150
AMPLIFIER MODULE
25-1000 MHz
80 Watts**



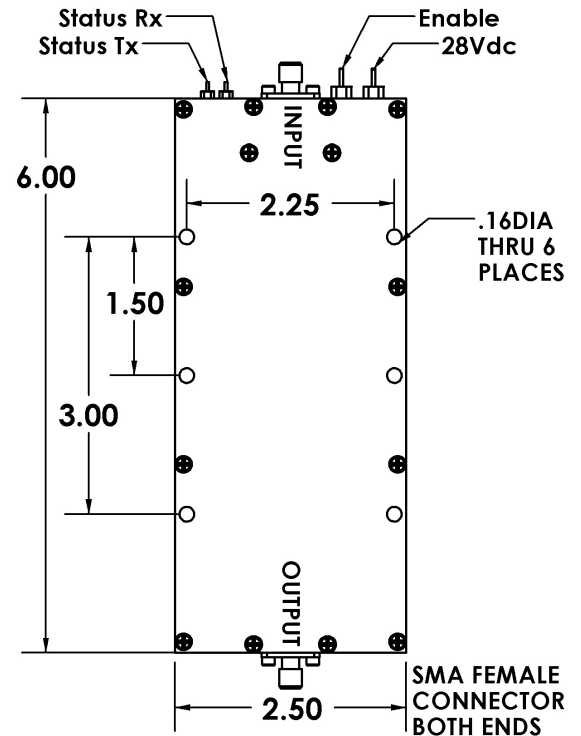
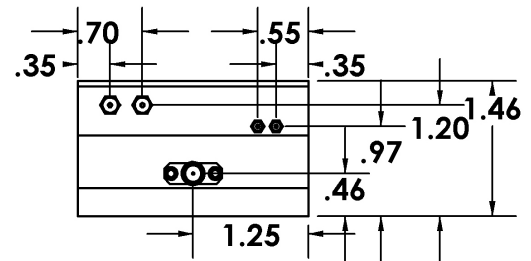
Small Size, High Efficiency

P/N 1000-25-80-34-E5

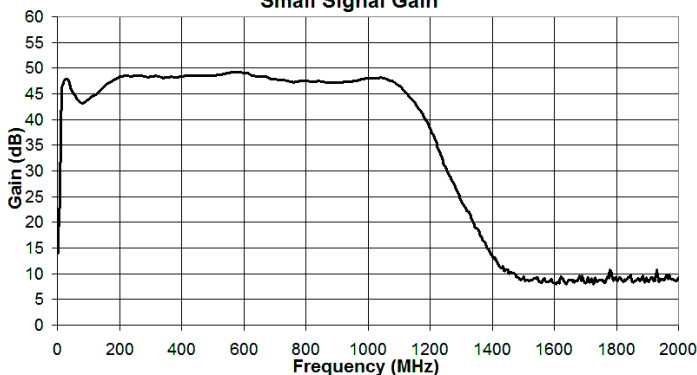
PERFORMANCE

Parameters	Value
Frequency	25-1000 MHz
Power	80 Watts
Quiescent Current	1.6 Typical
Class	AB Linear
Efficiency	30%-40% Typical
Main DC Supply	28 VDC
Supply Current	10.1 A Current Limit (Internal)
Bias Supply	Internal
Gain	34 dB (Minimum)
Spurious	< -60 dBc
External Enabled	TTL pull high to enable
Disabled Current	< 300 mA
Disable/Enable Time	< 5 uS
Size	6.0" x 2.5" x 1.5"
Weight	< 2 lbs
DC Connections	Solderable filtered feed throughs
RF In/Out Connectors	SMA Female
Operating Temperature	0 C to 70 C
Over Temp Protection	75 C
Operating Humidity	95% - 100%
Vibration	100 G Shock
Altitude	50,000 Feet

Mechanical Outline



Small Signal Gain



Additional Specifications

- Fast Blanking: Under 5uS on/off time

Internal Subsystem Features

- Thermal Compensation from 0 to +70 C
- RS232 status to monitor baseplate temperature, current draw, and supply voltage