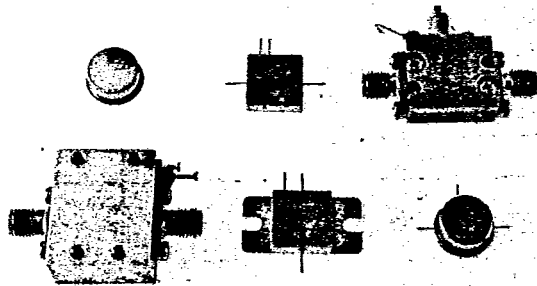


AH-5862



10 to 350 MHz TO-8 Cascadable Amplifier

- Low Noise
- High Isolation

Electrical Specifications

Measured in a 50-ohm system at +6 Vdc nominal

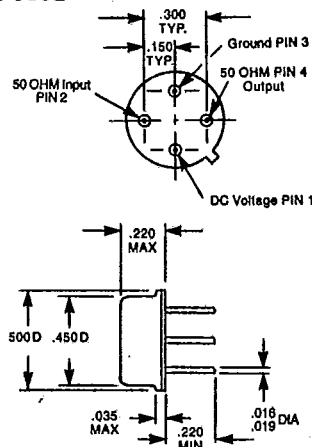
Characteristic	Typical 25° C	Guaranteed 0° C to +50° C	Specifications -54° C to +85° C
Frequency (MHz Min.)	10-350	10-300	10-300
Small Signal Gain (dB Min.)	+12.0	+10.5	+10.0
Gain Flatness (dB Max.)	±0.5	±1.0	±1.0
Noise Figure (dB Max.)	+2.5	+3.0	+3.5
Power Output @ 1dB Compression (dBm Min.)	+10.0	+8.0	+7.5
Two Tone 3rd Order Intercept Point (dBm Min.)	+25.0	+22.0	+22.0
Rev Isolation 5-250 MHz	+40.0	+35.0	+35.0
250-500 MHz	+27.0	+25.0	+25.0
Input/Output VSWR (Max.)	<1.6:1	1.8:1	1.9:1
DC Current at 6 V (mA Max.)	+18.0	+25.0	+27.0

Maximum Ratings

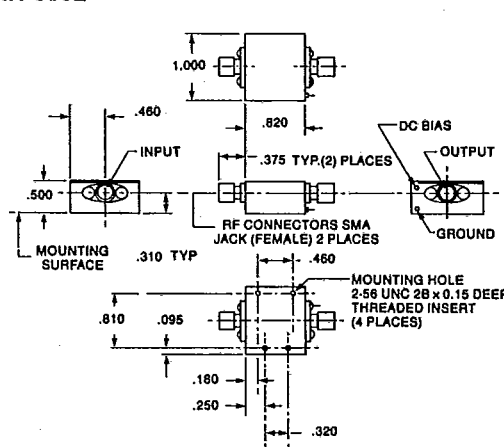
Ambient Operating Temperature..	-54° C to +100° C
Storage Temperature.....	-62° C to +125° C
Maximum Case Temperature.....	+125° C
Maximum DC Voltage.....	+18.0V
Maximum Continuous RF Input Power	+13dBm
Maximum Short Term RF Input Power	+50.0 mW (1 minute Max.)
Maximum Peak Power	+0.5W (3 useconds Max.)
"X" Series Burn-In Temperature	Tc=+125° C
Weight	+2.5 grams Max.

Outline Drawings

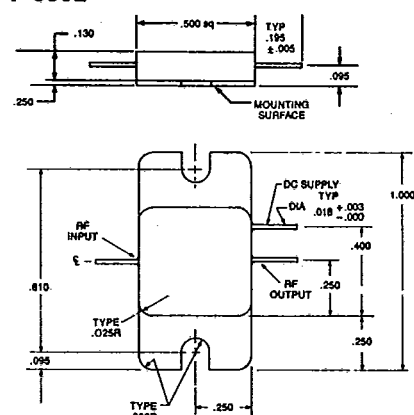
AH-5862



CAH-5862



FPF-5862



AH-5862

Typical Performance

