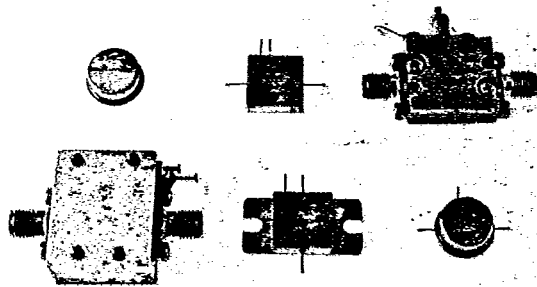


AH-66



10 to 1200 MHz TO-8 Cascadable Amplifier

- High Output: +14.5dBm
- Medium Noise: +4.0dB
- Two Stage Gain: +23.0dB
- Various Package Options (see photo)
Surface Mounted (SMT-8), Flatpack with flange (FPF),
Connectorized (CAH), Connectorized Flatpack (CFP),
Flatpack (FP), and TO-8 (AH)

Electrical Specifications

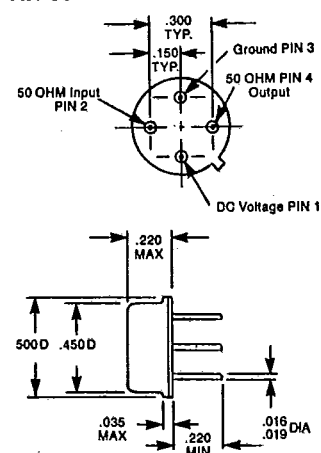
Measured in a 50-ohm system at +15 Vdc nominal

Characteristic	Typical 25°C	Guaranteed 0°C to +50°C	Specifications -54°C to +85°C	Maximum Ratings
Frequency (MHz Min.)	10-1200	10-1200	10-1200	Ambient Operating Temperature -54°C to +100°C
Small Signal Gain (dB Min.)	+23.0	+22.0	+21.0	Storage Temperature ... -62°C to +125°C
Gain Flatness (dB Max.)	±0.5	±0.7	±1.0	Maximum Case Temperature +105°C
Noise Figure (dB Max.)	+4.0	+4.5	+5.0	Maximum DC Voltage +17.0V
Power Output @ 1 dB Compression (dBm Min.)	+14.5	+14.0	+13.5	Maximum Continuous RF Input Power +10.0dBm
Two Tone 3rd Order Intercept Point (dBm Min.)	+27.0	+25.0	+23.0	Maximum Short Term RF Input Power +100.0 mW (1 minute Max.)
Two Tone 2nd Order Intercept Point (dBm Min.)	+37.0	+35.0	+33.0	Maximum Peak Power +0.5W (3µseconds Max.)
One Tone 2nd Harmonic Intercept Point (dBm Min.)	+42.0	+40.0	+38.0	"X" Series Burn-In Temperature +100°C
Input/Output VSWR (Max.)	<1.5:1	1.9:1	2.0:1	Weight +2.5 grams Max.
DC Current at 15 V (mA Max.)	+65.0	+68.0	+75.0	

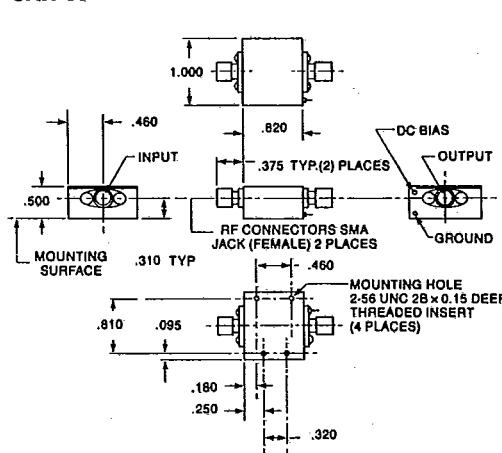
Outline Drawings

(For additional package configurations, see Section 9)

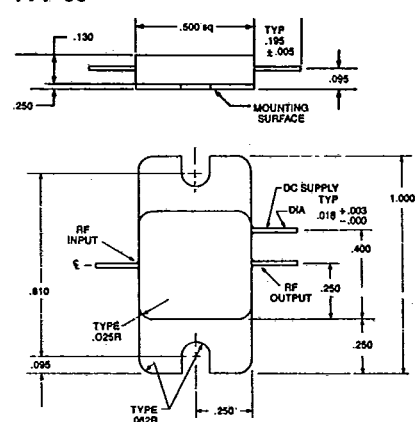
AH-66



CAH-66



FPF-66



Typical Performance

