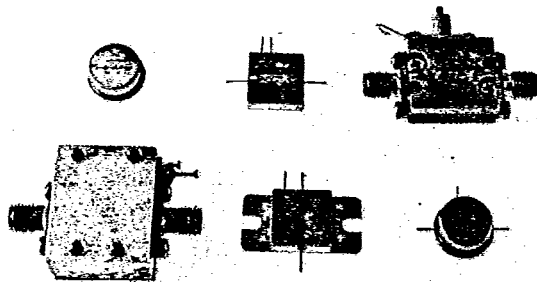


RAH-66

T-74-09-01

B-74-09-51



10 to 1000 MHz TO-8 Cascadable Amplifier

- High Gain
- Medium Power

Electrical Specifications

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

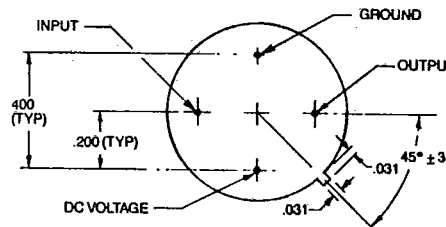
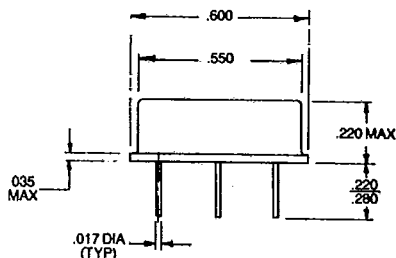
Characteristic	Typical 25° C	Guaranteed 0° C to + 50° C	Specifications -54° C to + 85° C
Frequency (MHz Min.)	5-1000	10-1000	10-1000
Small Signal Gain (dB Min.)	+37.0	+35.0	+34.0
Gain Flatness (dB Max.)	±0.6	±1.0	±1.3
Noise Figure (dB Max.)	+3.8	+4.5	+5.0
Power Output @ 1dB Compression (dBm Min.)	+16.5	+15.0	+14.0
Two Tone 3rd Order Intercept Point (dBm Min.)	+29.0	+27.0	+27.0
Two Tone 2nd Order Intercept Point (dBm Min.)	+48.0	+42.0	+42.0
One Tone 2nd Harmonic Intercept Point (dBm Min.)	+54.0	+48.0	+48.0
Input/Output VSWR (Max.)	<1.6:1	2.0:1	2.0:1
DC Current at 15 V (mA Max.)	+75.0	+80.0	+82.0

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.....	+17.0V
Maximum Continuous RF Input Power	+6.0dBm
Maximum Short Term RF Input Power	+100.0 mW (1 minute Max.)
Maximum Peak Power	+0.5W (3 useconds Max.)
"X" Series Burn-In Temperature	+100° C
Weight	+2.5 grams Max.

Outline Drawings

(For additional package configurations, see Section 9)



LARGE TO-8 (4 PIN)

RAH-66

B-74-09-51

Typical Performance

