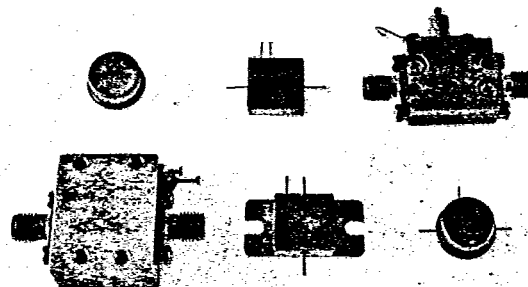


LAH-17

B-74-09-51

10 to 1000 MHz Cascadable Limiting Amplifier

- Even Order Harmonic Suppression from Balanced Limiter
- Medium Gain: +11.0dB
- Medium Output: +9.5dBm
- **Various Package Options (see photo)**
Surface Mounted (SMT0-8), 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	Guaranteed	Specifications
	25°C	0°C to +50°C	-54°C to +85°C
Frequency (MHz Min.)	10-1000	10-1000	10-1000
Small Signal Gain (dB Min.)	+11.0	+10.5	+9.5
Gain Flatness (dB Max.)	±0.5	±0.7	±1.0
Noise Figure (dB Max.)	+6.0	+6.5	+7.5
Power Output @ 1 dB Compression (dBm Min.)	+9.5	+7.0	+7.0
Output Limiting Level (Max.) +20 dBm Input	+14.0	+16.0	+17.0
Input/Output VSWR (Max.)	<1.8:1	1.9:1	2.0:1
DC Current at 15 V (mA Max.)	+58.0	+60.0	+65.0

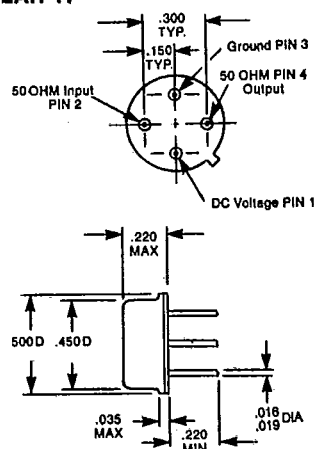
Maximum Ratings

Ambient Operating Temperature -54°C to +100°C
 Storage Temperature ... -62°C to +125°C
 Maximum Case Temperature +105°C
 Maximum DC Voltage +18.0V
 Maximum Continuous RF Input Power +13.0dBm
 Maximum Short Term RF Input Power +400.0 mW (1 minute Max.)
 Maximum Peak Power +1.0W (3µseconds Max.)
 "X" Series Burn-In Temperature +100°C
 Weight +2.5 grams Max.

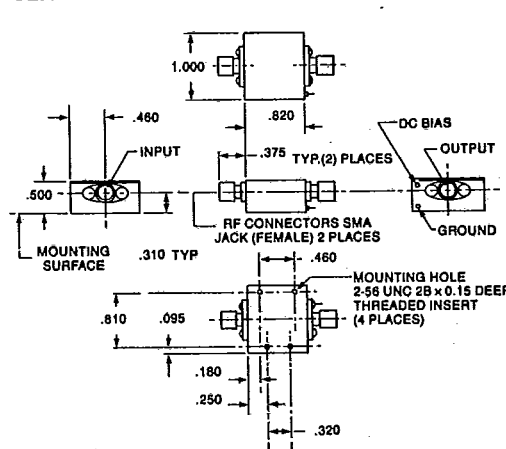
Outline Drawings

(For additional package configurations, see Section 9)

LAH-17



CLAH-17



FPF-LAH-17

