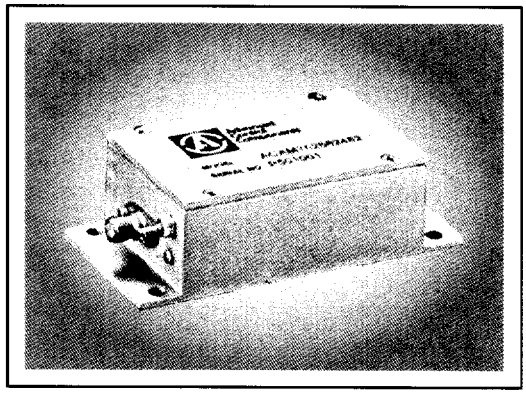
HIGH DYNAMIC RANGE LOW NOISE AMPLIFIERS



Communication systems today require low noise amplifiers (LNA s) that can amplify signals of lowest magnitude without creating distortion in an environment of strong adjacent signals. Advanced Control Components, Inc. features a line of low noise amplifiers performing with low noise figure, moderate gain, and high third order intercept point performance. The result of our design is the highest dynamic range specifications available in the industry. As an example, our model ANL851M18-40 LNA offers 1.8dB noise figure, 17dB gain and a third order intercept point (IP3) of +40dBm over the 821-851MHz frequency band.

Applications for these amplifiers range from receiver multicoupler to tower top range booster amplifiers. For those antenna site installations where transmitter population has created a dense RF cloud of interferors, high dynamic range performance is important for optimizing system performance. Advanced Control Components, Inc. can make high dynamic range amplifiers in the SMR, ETAs, Amps and GSM frequency bands.

HIGH DYNAMIC RANGE LOW NOISE AMPLIFIER SPECIFICATIONS

Part Number	Frequency Range (MHz)	Gain (dB)	Flatness (± dB)	Power Output @ 1dB Comp. (+ dBm)	Noise Figure (dB)	IP3 (+ dBm)	Current (mA)	Case Style
ANL250M2-37	2-250	17	0.5	25	2.0	37	180	S003
ANL250M18-45	30-250	30	0.5	33	1.8	45	900	P003
ANL400M2-27	225-400	15	0.5	15	2.0	27	60	S003
ANL400M18-40	225-400	17	0.5	28	1.8	40	400	S003
ANL400M2-45	225-400	28	0.5	33	2.0	45	1000	S009
ANL625M2-42	400-625	28	0.5	30	2.0	42	1000	S009
ANL851M18-40	821-851	17	0.5	28	1.8	40	400	S003
ANL960M2-40	820-960	14	0.5	28	2.0	40	400	S003
ANL960M18-43	820-960	27	0.5	33	1.8	43	900	S009/HS*

Connectors: SMA
Voltage Supply: 15V
*HS = Heat Sink