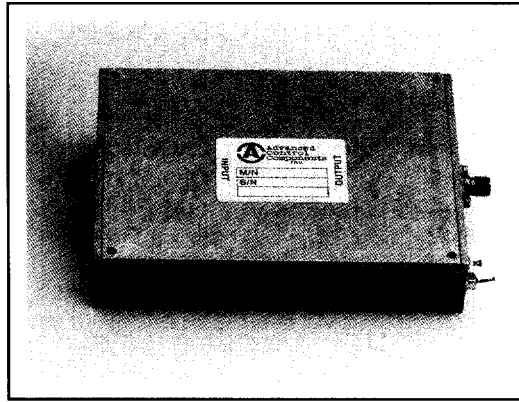


## LABORATORY & SPECIAL PURPOSE AMPLIFIERS

Advanced Control Components, Inc. offers a wide variety of laboratory and special purpose amplifiers. The operating frequencies of these amplifiers range from 0.1MHz through 4GHz and are offered as both power and low noise models. Our catalog products are tailored to the frequency segments commonly sought for testing and evaluation of components and systems. Power levels offered have commonly sought values and supply voltage levels. Applications requiring options such as isolators, detectors and limiters can easily be included. Custom rack assemblies enclosed with AC power supplies are another set of options that can be provided. Various options can be incorporated into the design of the amplifiers.



### OPTIONS INCLUDE:

- Variable Gain Control
- Input Limiting Protection
- Remote Mounting
- Detector Outputs
- Power Supply Integration with Cooling Fans
- Phased and Amplitude Matching or Tracking Between Units
- Automatic Gain Control
- Rack Mounting
- Tower-Top Applications
- Temp Sensing Outputs

### ACC'S EXPERTISE ALSO INCLUDES EXPERIENCE IN:

- Limiting Amplifiers
- Receiving Multicouplers
- Feed Forward Power Amplifiers
- Upconverters/Downconverters

### LABORATORY & SPECIAL PURPOSE AMPLIFIER ELECTRICAL SPECIFICATIONS

Part Number	Frequency Range (MHz)	Gain (dB)	Flatness ( $\pm$ dB)	Power Output @ 1dB Comp. (+ dBm)	IP3 (+ dBm)	Supply Voltage (V)	Current (mA)	Case Style
APL100M30-40	0.1-100	30	1.0	30	40	24	400	P003
APL500M30-40	5-500	16	0.5	30	40	24	400	P003
APL2G30-40	100-2000	40	1.0	30	40	15	1000	P003
APL4G30-40	500-4000	40	1.0	30	40	15	1100	P003
APL200M40-50	100-200	33	0.5	40	50	24	1000	P005/HS*
APL500M37-47	2-500	35	1.5	37	47	24	1000	P005/HS*
APL1G33-43	10-1000	30	1.0	33	43	15	1000	P003
APL2G33-43	1000-2000	30	0.5	33	43	15	1000	P004
APL2G40-52	1000-2000	27	1.0	40	52	15	5500	P006

Connectors: SMA

\* HS = Heat Sink