



# A.P. CIRCUIT

## ACTIVE FILTER MODULES HIGH PRECISION FIXED FREQUENCY FILTERS

### Features

- Low noise
- Wide frequency selection (0.01 Hz - 1.0 MHz)
- Implement all types of characteristics
- All functions are available
- Options include low power, military temp-range

### Model

- AP6/8
- AP12/16

### Dimensions

- 1.35" x 2.75" x 0.6"
- 2.75" x 2.75" x 0.6"



### Filter Characteristics

- Elliptic (cauer)
- Tschebyscheff
- Bessel (linear phase)
- Butterworth (maximum flat)
- Customer specified characteristics

Low-Pass and High-Pass filters can be specified from 5 poles to 16 poles. Band-Pass and Band-Reject can be specified in even numbered poles from 2 to 16 poles.

### Mechanical Characteristics

- Dual in-line construction
- Copper clad epoxy case
- Pins spacing: 0.2"
- Row spacing: 2.5"
- Pin diameter: 0.025"

### Functions

- Low-Pass
- High-Pass
- Band-Pass
- Band-Reject
- All Pass

Order as follows:

#### FUNCTION

L = Low-Pass, H = High-Pass

B = Band-Pass, N = Band-Reject, A = All Pass

#### # OF POLES

#### CHARACTERISTICS

Blank = Butterworth

B = Bessell

E = Elliptic

T = Tschebyscheff

#### BAND WIDTH

For Band Pass and Band Reject only

#### CUTOFF FREQUENCY

Example: Low-Pass 16 pole Elliptic

18.6 KHz Cutoff frequency: APL16 - E - 18.6 KHz

A P X X X - X - QXXX - X X X H z

Example: Band-Pass 8 pole with center frequency at 100KHz Band width 1%:  
APB8-Q100-100KHZ