T-64-05

A.P. CIRCUIT

PROGRAMMABLE FILTERS

Model DP8

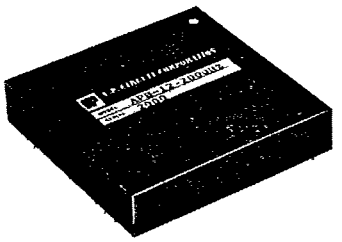
- 8 bit programmable filter.
- CMOS, TTL Compatible Data Bus.
- Available in Low Pass, High Pass, Band Pass, Band Reject.
- Filter order ranges from 2, 4, 6 and 8 poles.
- Memorizes the setting (data is latched-in).
- Wide cutoff frequency selection. - (F Max = 25.5 Hz to 120 KHz).
- Low DC drift.
- Low DC offset.

Model AP-DP-8S-5P

- 3 bit programmable filter.
- CMOS Data Bus.
- Available in Low Pass and High Pass.
- Frequency Selection: Standard fo, 2fo, 4fo, 8fo, 32fo, 64fo, 128fo.
- Other frequency selections are available.
- Both Butterworth & Linear Phase are provided in one package.
- Exceptionally low DC drift (less than 0.5mV typ.)

Model AP6VC

- Frequency is set by an external variable resistor (or variable voltage source).
- Linear relationship be - tween applied voltage (or resistance) and the selected frequency.
- Internal potentiometers allow fine adjustment.



ELECTRICAL CHARACTERISTICS

(All data are typical value)

FILTER	INPUT RESIST-ANCE (ohm)	OUTPUT RESIST-ANCE (ohm)	MAX. SIGNAL (volt.ptp)	MAX. LOAD (ohm)	CURRENT DRAIN (mA/2 Pole)	FRE-QUENCY STABILITY (%/°C)	DC Offset (mV)	PASS BAND GAIN (dB)	NO. of POLES	NOISE Input grounded DC-100khz (mV RMS)	OPERATING TEMP.
DP8	20K	<1	20	2.5K	10	0.02	<10	0.1	2, 4, 6, 8	50	0-70°C
APDP 8S-5P	20K	<1	20	2.5K	10	0.02	<10	0.1	2-5	50	0-70°C
APV6	20K	<1	20	2.5K	15	0.02	<10	0.1	2, 4, 6	70	0-70°C

MECHANICAL CHARACTERISTICS

Dual in-line construction:

case.....copper clad epoxy
dimensions.....3.5" x 2.5" x 0.5"
row spacing.....0.2"
Pins (16).....0.025" diam.
Pin spacing.....0.2"
Weight.....4 oz.