

ACTIVE FILTER AMPLIFIER

SALIENT FEATURES

- **Good Linearity And Resolution**
- **Unipolar or Bipolar Output Available**
- **Latest IC Techniques**
- **Compact Modular Construction**
- **Fast Overload Recovery**

The Control details for the Active filter Amplifier is as follows:

1. Coarse gain switch is steps of 1,2,4,8,16 & 32 along with Fine Gain control.
2. Polarity selection switch : +ve or -ve.
3. Microsecond shaping time switch selectable from 1 to 10 μ sec in 1 μ sec steps.
4. Input & Output terminals.

TECHNICAL SPECIFICATIONS

INPUT	: Positive or negative, no rise time limitation. 35 μ sec minimum decay time constant. for pole-zero cancellation. 1000 Ω input impedance.
OUTPUT	: Positive 0 – 8 volts linear with 10 volts saturation. 93 Ω output impedance.
SHAPING	: Active filter resulting in approximately Gaussian shape. Shaping times selectable from 1 to 10 μ sec in 1 μ sec steps.
COMMON MODE REJECTION	: Better than 130 : 1 between inputs for +ve pulses only, with 3 μ secs, int. and diff.
MAXIMUM GAIN	: 800
GAIN CHANGE SWITCH	: Coarse control changes the gain from 1 to 32 in binary sequence. Fine gain can be varied from 3:1 continuously
INTEGRAL LINEARITY	: \pm 0.1%
NOISE	: 7 μ V or less at maximum gain single clip. 3 μ sec shaping time as referred to input
OVERLOAD	: Recovery within 2% of rated output from 60 times overload in 2.5 non-overload pulse width at maximum gain and specified input with pole-zero properly adjusted
DIMENSION	: Two Width
POWER	: BIN Power Supply
Connector	: 24 Pin amphenol(or equiv.) standard connector for EC std. BIN

NOTE

This module is also available with 42 pin connector & suitable for international NIM BIN.

CAT. NO.: PFA563/1199

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