

FIXED FREQUENCY FILTER MODULE

AM SERIES

FEATURES

- CUSTOMER SPECIFIED FREQUENCY

Your choice of -3 dB Frequency.
Customer modifications available.
No additional charge.

- COMPACT SIZES

1.25"L x 0.80"W x 0.40"H. &
2.45"L x 0.77"W x 0.40"H.

- RESPONSE CHOICES

Butterworth, Bessel, Chebyshev,
Elliptic, & Linear Phase Elliptic.

- HIGH ORDER, HIGH ATTENUATION

Implement filter orders from 4th
up to 24th order filter.
Attenuation greater than 80 dB
@ 1.1 F3 dB.

- SUPPORT ALL FILTER FUNCTIONS

Lowpass, Highpass, Bandpass, &
Bandreject

- IDEAL FUNCTION BLOCK

Low output impedance.
High input impedance.
Impedance matching available.

- STABLE OUTPUT

Unity gain output
Amplification available

- COMPENSATED DC OFFSET

Internal DC offset < 2 mV.
External adjustable to 0.0.

- BUILD-IN DECOUPLING

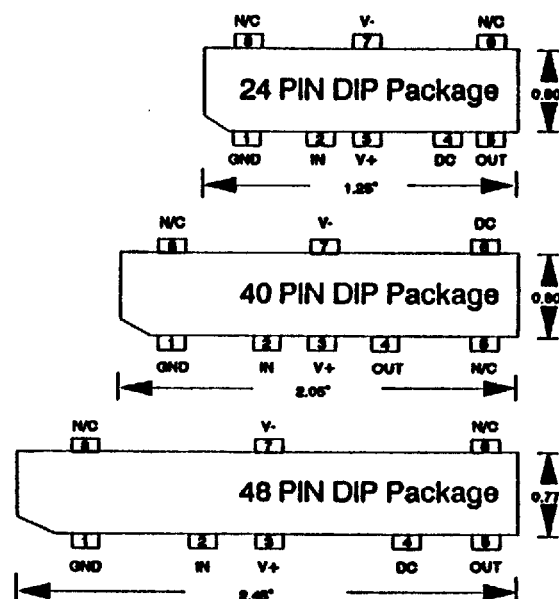
Internal power supply decoupling.

- SINGLE / DUAL POWER SUPPLY

Single Supply : 15.0 V & GND.
Dual Supply : +/- 15.0 V & GND.

- LOW POWER CONSUMPTION

10 mA of supply current per 4th order.



ABSOLUTE MAXIMUM RATING

Supply Voltage	+/- 15 V to +/- 5 V
Input Voltage	+/- 12 V
Output Swing	+/- 12 V (2k load)
Dynamic Range	> 90 dB
Operating Temp.	
commercial	0 C to 70 C
industrial	- 40 C to 85 C
military	- 55 C to 125 C
Storage Temp.	- 65 C to 150 C

APPLICATIONS

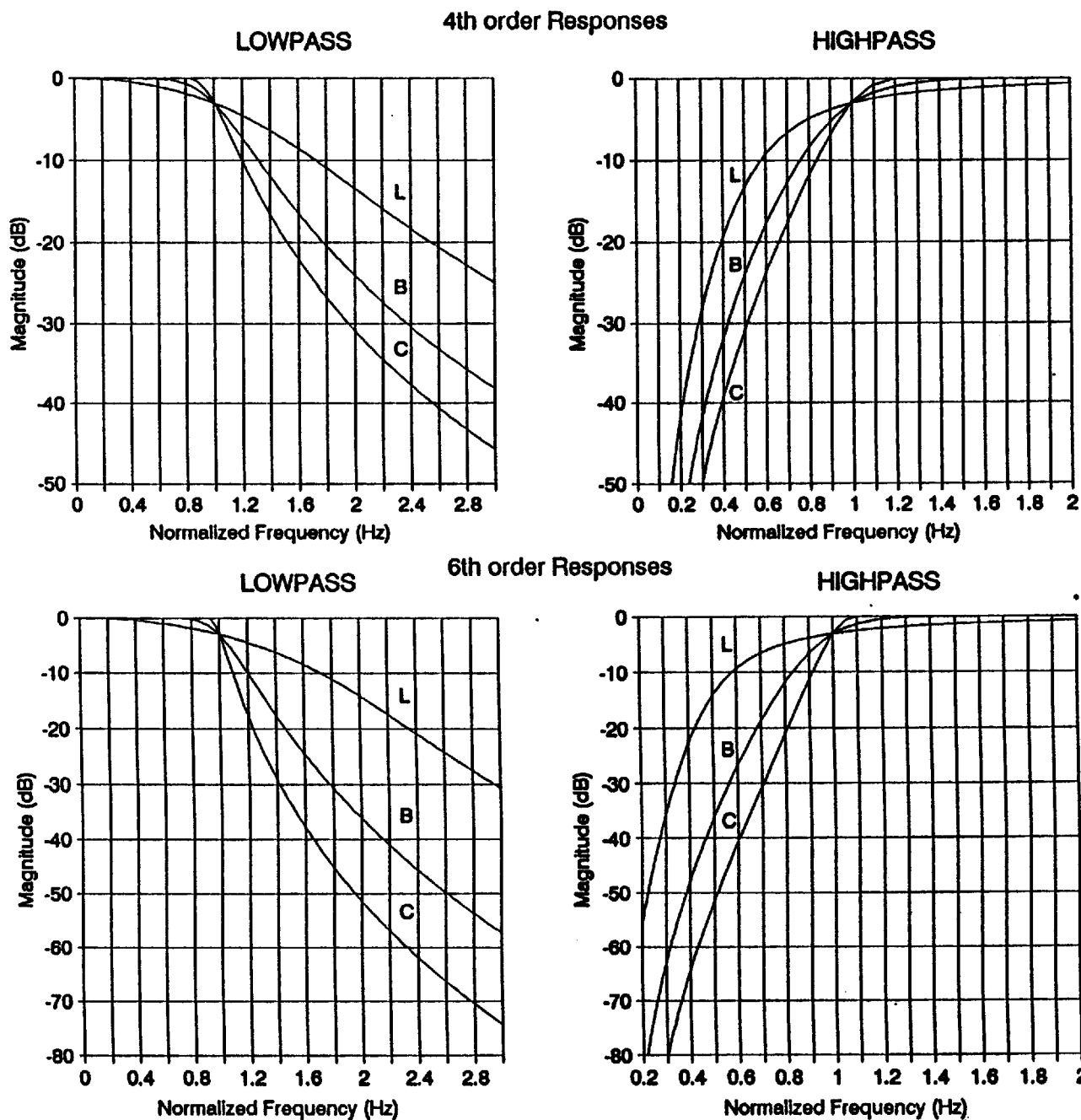
- Anti-aliasing Filter
- Equalizers
- Differentiator
- Frequency Separator
- Integrator
- D/A Post Filter
- Band-limit Amplifier

AVENS SIGNAL EQUIPMENT Corporation
P.O. Box 1057, Knickerbocker Station, New York, NY 10002

TEL : (718) 335 - 1886
FAX : (718) 429 - 5785

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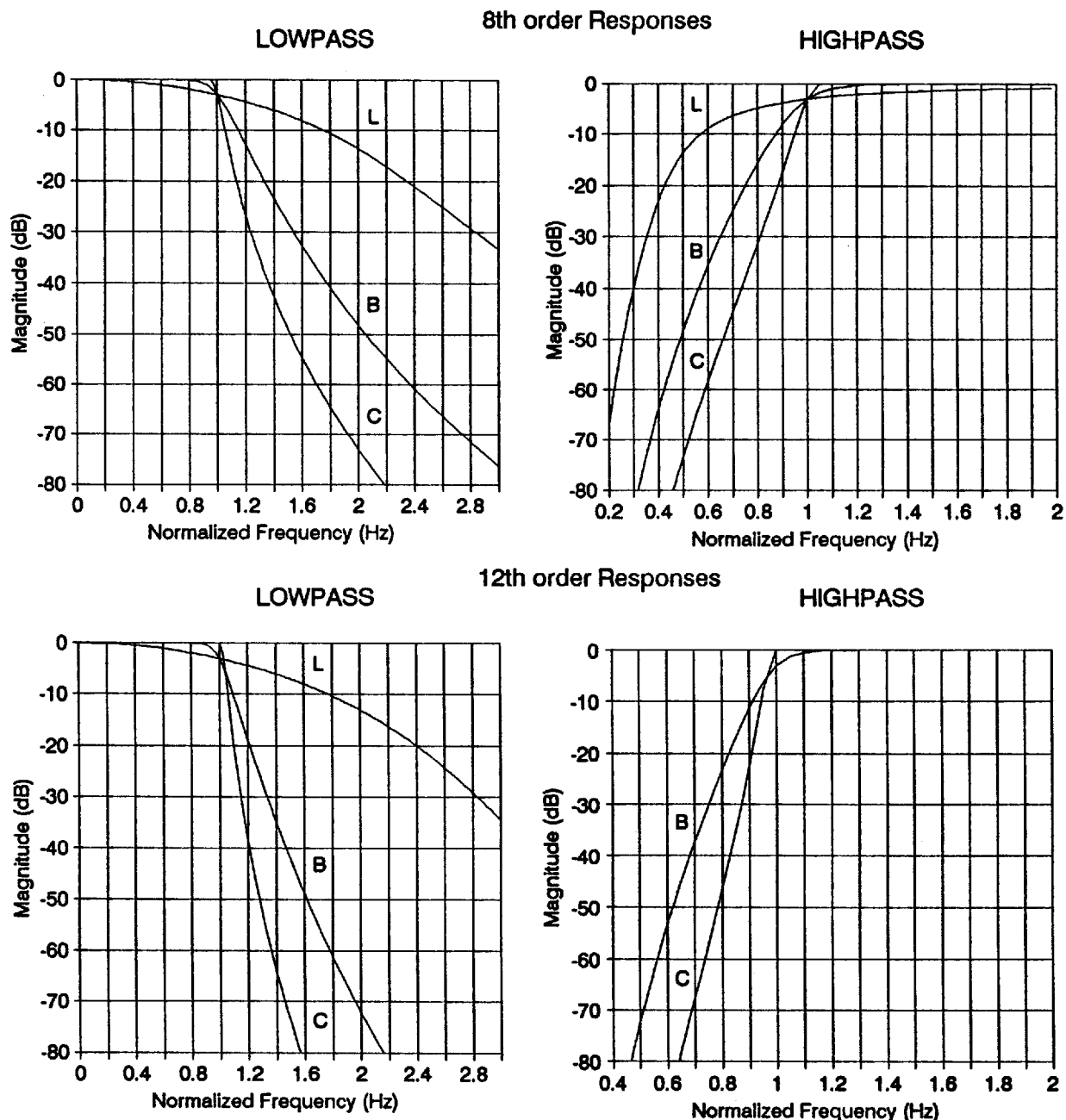
AM SERIES



L = BESSEL, B = BUTTERWORTH, C = CHEBYSHEV

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FILTER MODULE****AM SERIES**

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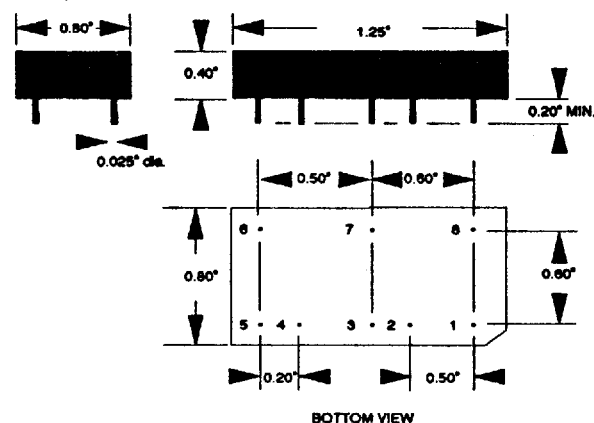
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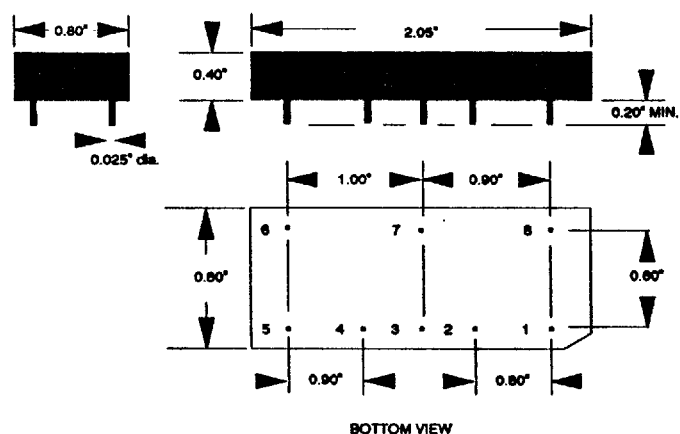
24 PIN DIP PACKAGE

PIN CONNECTION	
PIN No.	FUNCTION
1	Ground & common of Supply
2	Filter Input
3	V+ Supply
4	External DC Adjust
5	Filter Output
6	No Connection
7	V- Supply
8	No Connection



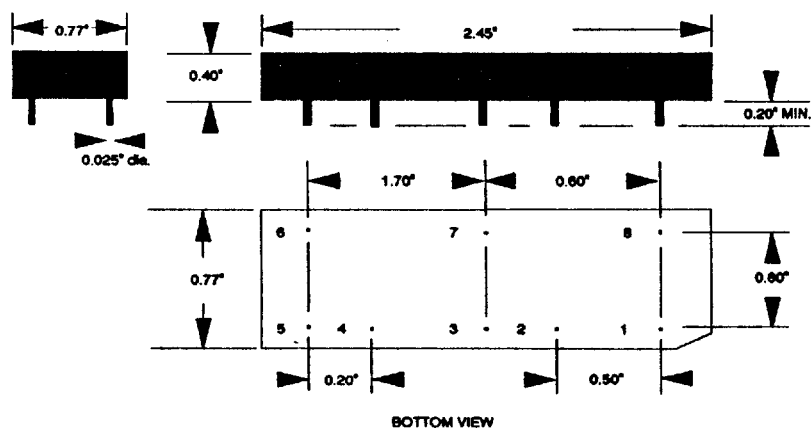
40 PIN DIP PACKAGE

PIN CONNECTION	
PIN No.	FUNCTION
1	Ground & common of Supply
2	Filter Input
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5	No Connection
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48 PIN DIP PACKAGE

PIN CONNECTION	
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