



**Ectron**  
CORPORATION®

# Amplifier Selection Guide

Amplifier Model	Conditioning (T/C; On board; Enclosure; Pins)	Response (Dc to BW; No. of Filter Steps)	Environment	Gain	T/C & Gain-step Accuracy	Excitation Voltage	Enclosures & Mounts (Bench; Rack; Harsh; No. of Channels)	Notes
200	T/C for E, J, K, T	n.a.	moderate	T/C cold-junction compensation for any amplifier	1°C	uses 5 V to 15 V from ampl excit supply	none	
314B	solder pins	20 kHz; none	extreme, EMI protection	10 to 1000 using an external resistor	0.5%	5 V, factory set	none, comes with mounting brackets	A, K
351	pins	20 kHz; 1	harsh, EMI protection	1 to 2500, 10 steps + vernier	0.1%	3 V to 9 V (12 V power)/3 to 15 V (28 V), adj	none, stud mount only	H, K
352	enclosure	20 kHz; 1	harsh, EMI protection	1 to 2500, 10 steps + vernier	0.1%	3 V to 9 V (12 V power)/3 to 15 V (28 V), adj	B6; R14; H14/22; stand alone	H, K
416	pins	5 kHz; none	harsh, EMI protection	10 to 2500, 7 steps + vernier	0.2%	5 V, 7V, or 10 V, factory set	none, stud mount only	B, D, H, L
428	enclosure	5 kHz; none	harsh, EMI protection	0.1 to 2500, 7 steps + vernier + 100:1 divider	0.2%	5 V, 7V, or 10 V, selectable	B6; R14; H14/22; stand alone	B, D, E, H, L
560H	none	> 200 kHz; optional, 5	moderate	0.01 to 2500, 20 steps + vernier + 100:1 divider	0.1%	none	B2/6; R16	G, I, opt J
563H	on board	> 200 kHz; optional, 5	moderate	0.01 to 2500, 20 steps + vernier + 100:1 divider	0.1%	0.1 V to 15 V adjustable	B2/6; R16	G, I, opt J
751ELN	none	100 kHz; 6	moderate	0.01 to 2500, 12 steps + vernier + 100:1 divider	0.01%	none	R12; single mount	C, G, I, J
753A	10-wire on board; plug-in	140 kHz; 1 plug-in	moderate	1 to 2500, 10 steps + vernier	0.1%	0.1 V to 15 V adj; 1 mA to 100 mA adj	R12; single mount	C, F
778	on board; plug-in	3 MHz; 7	moderate	1 to 1000, 10 steps + vernier	0.1%	0 V to 15 V adjustable	R10; single mount	C, G, I

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## NOTES

- |                             |                               |   |
|-----------------------------|-------------------------------|---|
| A Shock to 2500 g           | E Autozero (optional)         | I Dual output                                   |
| B ±40 mV input zero control | F Constant-current excitation | J 100 mA output                                 |
| C 300 V common-mode voltage | G Selectable filter           | K 12 V dc or 28 V dc power (customer-specified) |
| D 100 V common-mode voltage | H Shock to 100 g              | L 10.5 V dc to 32 V dc power                    |