



## Comparison Chart of Precision Filter/Amplifier Products

Card	PFA-2 Filter/ Amplifier System	PF-1U-FA High- Performance Filter/ Amplifier System	PF-1U-FA Standard- Performance Filter/ Amplifier System	28608B 8-Channel 200 kHz Filter/ Amplifier Module	28618 8-Channel 200 kHz Filter/ Amplifier Module	28612 2-Channel 3 MHz Filter/ Amplifier Module
Channels/Card	2 per system	8 (PF-1U-8FA) or 16 (PF-1U-16FA)	8 (PF-1U-8FA) or 16 (PF-1U-16FA)	8 per card; up to 128 per 28000 system	8 per card; up to 128 per 28000 system	2 per card; up to 32 per 28000 system
Inputs	Balanced differential inputs with programmable AC/DC coupling	Balanced differential inputs with programmable AC/DC coupling; Option I: IEPE Current Source	Balanced differential inputs with programmable AC/DC coupling; Option I: IEPE Current Source	Balanced differential inputs with programmable AC/DC coupling	Balanced differential inputs with programmable AC/DC coupling	Programmable single-ended/ differential input w/ programmable AC/DC input coupling (10 Hz or 100 Hz)
Filter	6-Pole Flat/Pulse Low-Pass; 2-Pole High-Pass w/ Option H	4- or 8-Pole Flat/ Pulse Low-Pass or 8-Pole Band- Pass	4-Pole Flat/Pulse Low-Pass	4- or 8-Pole Flat/ Pulse Low-Pass or 8-Pole Band- Pass	4-Pole Flat/Pulse Low-Pass	6-Pole Flat/Pulse Low-Pass

<b>Card</b>	<b>PFA-2 Filter/ Amplifier System</b>	<b>PF-1U-FA High- Performance Filter/ Amplifier System</b>	<b>PF-1U-FA Standard- Performance Filter/ Amplifier System</b>	<b>28608B 8-Channel 200 kHz Filter/ Amplifier Module</b>	<b>28618 8-Channel 200 kHz Filter/ Amplifier Module</b>	<b>28612 2-Channel 3 MHz Filter/ Amplifier Module</b>
<b>Gain</b>	<i>Pre-filter Gain:</i> x1 to x128 in x2 steps  <i>Post-filter Gain:</i> x1/16 to x16 w/ .025% minimum resolution	<i>Pre-filter Gain:</i> x1 to x512 in x2 steps  <i>Post-filter Gain:</i> x0.25 to x16 w/ .05% resolution	<i>Pre-filter Gain:</i> x1 to x512 in x2 steps  <i>Post-filter Gain:</i> x0.5 to x16 w/ .05% resolution	<i>Pre-filter Gain:</i> x1 to x512 in x2 steps  <i>Post-filter Gain:</i> x1/16 to x16 w/ .05% resolution	<i>Pre-filter Gain:</i> x1 to x64 in x2 steps  <i>Post-filter Gain:</i> x1/16 to x16 in binary steps w/ .05% minimum resolution	x1, x2, x5, x10, x20, x50, x100, x200, x500, x1000
<b>Cutoff Frequencies</b>	5 Hz to 2.555 kHz in 5 Hz steps  2.75 kHz to 127.5 kHz in 250 Hz steps	Flat: 2 Hz to 2.046 kHz in 2 Hz steps; 2.2 kHz to 204.6 kHz in 200 Hz steps; bypass option  Pulse: 1 Hz to 1.023 kHz in 1 Hz steps; 1 kHz to 102.3 kHz in 100 Hz steps; bypass option	FX02: 300 Hz, 1 kHz, 3 kHz, 10 kHz, 30 kHz	Flat: 2 Hz to 2.046 kHz in 2 Hz steps; 2.2 kHz to 204.6 kHz in 200 Hz steps; bypass option  Pulse: 1 Hz to 1.023 kHz in 1 Hz steps; 1 kHz to 102.3 kHz in 100 Hz steps; bypass option	FX02: 300 Hz, 1 kHz, 3 kHz, 10 kHz, 30 kHz	5 kHz to 315 kHz in 5 kHz steps; 350 kHz to 3.15 MHz in 50 kHz steps
<b>Outputs</b>	DC-coupled, Single-ended (SE)	DC-coupled, Single-ended (SE)	DC-coupled, Single-ended (SE)	Single-ended (SE) w/ Ground Sense	Single-ended (SE) w/ Ground Sense	Single-ended (SE)