

# PX SERIES

## *PROFESSIONAL CROSSOVERS*

Designed to work in high-power cabinets, px crossovers are technically superior passive filters available as board-only or complete with fitted hardware for a smart, economical 'factory-fit' finish.

Designed and built for Eminence, px crossovers feature advanced circuit design to both preserve the crossover and your HF drivers.

A common crossover problem in L-PAD failure brought about by winding burnout when maximum attenuation is prolonged.

Full attenuation concentrates the maximum voltage drop in a small winding area - a potentially damaging state even with high-power L-PAD devices.

In px crossovers, current is limited when the hf level control is set to "0" on its scale (max. -9dB attenuation). A secondary benefit of the design is to form a voltage divider across the HF driver. The High-Pass Protection uses custom-built aerospace lamps as positive temperature coefficient series varistors.

The tungsten filaments effectively track the program material, dynamically maintaining a safe maximum current level to the HF driver without introducing distortion. This circuitry provides smooth 3:1 analog compression during input overload conditions over 250Wrms. At full drive level approaching clipping, the electrical attenuation to the protected HF driver is -4.5dB. In every way, Eminence px crossovers are a technically superior product.



	px:250	pxb:250	pxb:500
<b>Type</b>	Low-Pass	Low-Pass	Low-Pass
<b>Cabinet Ready*</b>	Yes	No	No
<b>Crossover Frequency</b>	250Hz	250Hz	500Hz
<b>Slope</b>	12dB/octave Butterworth	12dB/octave Butterworth	12dB/octave Butterworth
<b>Impedance</b>	8Ω	8Ω	8Ω
<b>Power Handling</b>	600Wrms	600Wrms	600Wrms
<b>HF Level</b>	----	----	----
<b>Mounting cut-out</b>	3.875"x 6" 98.4 x 152.4mm	----	----

	<b>pxb:1k6</b>	<b>pxb:3k5</b>	<b>pxb:5k0</b>
<b>Type</b>	High-Pass	High-Pass	High-Pass
<b>Cabinet Ready*</b>	No	No	No
<b>Crossover Frequency</b>	1.6kHz	3.5kHz	5kHz
<b>Slope</b>	18dB/octave Butterworth	18dB/octave Butterworth	18dB/octave Butterworth
<b>Impedance</b>	8Ω	8Ω	8Ω
<b>Power Handling</b>	400Wrms	400Wrms	400Wrms
<b>HF Level</b>	----	----	----
<b>Mounting cut-out</b>	----	----	----

	<b>px2:1k6</b>	<b>px2:3k5</b>	<b>px2:5k0</b>
<b>Type</b>	2-way	2-way	2-way
<b>Cabinet Ready*</b>	Yes	Yes	Yes
<b>Crossover Frequency</b>	1.6kHz	3.5kHz	5kHz
<b>Slope</b>	12dB/octave LP 18dB/octave HP Butterworth	12dB/octave LP 18dB/octave HP Butterworth	12dB/octave LP 18dB/octave HP Butterworth
<b>Impedance</b>	8Ω	8Ω	8Ω
<b>Power Handling</b>	400Wrms	400Wrms	400Wrms
<b>HF Level</b>	±9dB	±9dB	±9dB
<b>Mounting cut-out</b>	3.875"x 6" 98.4 x 152.4mm	3.875"x 6" 98.4 x 152.4mm	3.875"x 6" 98.4 x 152.4mm

	<b>pxb2:500</b>	<b>pxb2:800</b>
<b>Type</b>	2-way	2-way
<b>Cabinet Ready*</b>	No	No
<b>Crossover Frequency</b>	500Hz	500Hz
<b>Slope</b>	12dB/octave LP 18dB/octave HP Butterworth	12dB/octave LP 18dB/octave HP Butterworth
<b>Impedance</b>	8Ω	8Ω
<b>Power Handling</b>	400Wrms	400Wrms
<b>HF Level</b>	----	----

	<b>pxb2:1k6</b>	<b>pxb2:3k5</b>	<b>pxb2:5k0</b>
<b>Type</b>	2-way	2-way	2-way
<b>Cabinet Ready*</b>	Yes	Yes	Yes
<b>Crossover Frequency</b>	1.6kHz	3.5kHz	5kHz
<b>Slope</b>	12dB/octave LP 18dB/octave HP Butterworth	12dB/octave LP 18dB/octave HP Butterworth	12dB/octave LP 18dB/octave HP Butterworth
<b>Impedance</b>	8Ω	8Ω	8Ω
<b>Power Handling</b>	400Wrms	400Wrms	400Wrms
<b>HF Level</b>	----	----	----

	<b>pxb3:1k6</b>	<b>pxb3:3k5</b>	<b>pxb3:5k0</b>
<b>Type</b>	3-way	3-way	3-way
<b>Cabinet Ready*</b>	No	No	No
<b>Crossover Frequency</b>	500Hz/1.6kHz	500Hz/3.5kHz	500Hz/5kHz
<b>Slope</b>	12dB/octave LP 6dB/octave MP 18dB/octave HP Butterworth	12dB/octave LP 6dB/octave MP 18dB/octave HP Butterworth	12dB/octave LP 6dB/octave MP 18dB/octave HP Butterworth
<b>Impedance</b>	8Ω	8Ω	8Ω
<b>Power Handling</b>	400Wrms	400Wrms	400Wrms
<b>HF Level</b>	----	----	----