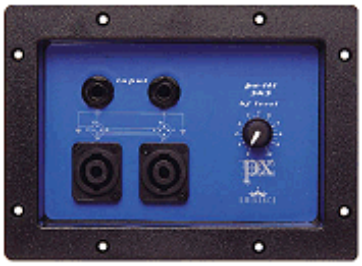
PX SERIES

PROFESSIONAL CROSSOVERS

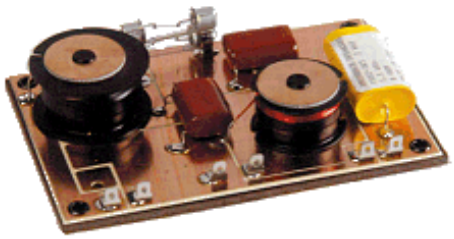
Designed to work in high-power cabinets, px crossovers are technically superior passive filters available as board-only or complete with fitted hardware for a smart, economical 'factory-fit' finish.



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

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

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

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

	pxb2:1k6	pxb2:3k5	pxb2:5k0
Type	2-way	2-way	2-way
Cabinet Ready*	**No**	No	No
Crossover Frequency	1.6kHz	3.5kHz	5kHz
Slope	12dB/octave LP 18dB/octave HP Butterworth	12dB/octave LP 18dB/octave HP Butterworth	12dB/octave LP 18dB/octave HP Butterworth
Impedance	8Ω	8Ω	8Ω
Power Handling	400Wrms	400Wrms	400Wrms
HF Level	----	----	----

	pxb3:1k6	pxb3:3k5	pxb3:5k0
Type	3-way	3-way	3-way
Cabinet Ready*	No	No	No
Crossover Frequency	500Hz/1.6kHz	500Hz/3.5kHz	500Hz/5kHz
Slope	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
Impedance	8Ω	8Ω	8Ω
Power Handling	400Wrms	400Wrms	400Wrms
HF Level	----	----	----