

## Hi-pass Filters – Ferrite Pot-Core Technology

XLDHP1K6 <sup>1</sup>	1600 Hz	12 dB - 8 ohm	2nd Order
XLDHP3K5 18 dB <sup>1,2</sup>	3500 Hz	18 dB - 8 ohm	3rd Order
XLDHP5K <sup>1,2</sup>	5000 Hz	18 dB - 8 ohm	3rd Order

## Low-pass Filters – Ferrite Pot-Core Technology

XPCLP250	250 Hz	12 dB - 8 ohm	2nd Order
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## 2-way Crossovers – Ferrite Pot-Core Technology

XPCX24 <sup>3</sup>	3500 Hz	18/12 dB - 8 ohm	3rd/2nd Order
XPCX25 <sup>3</sup>	5000 Hz	18/12 dB - 8 ohm	3rd/2nd Order
XPCX29 <sup>3</sup>	1600 Hz	12/12 dB - 8 ohm	2nd Order

## 3-way Crossovers – Ferrite Pot-Core Technology

XPCX31	500/3500 Hz	12/12/12 dB - 8 ohm	2nd Order
XPCX32	500/5000 Hz	18/12/12 dB - 8 ohm	3rd/2nd Order

## Original Fane Specialist Crossovers

XCX.1	2-way - 3.5 kHz	Optimised for 10" and 12" Trapezoidal Constructor Projects
XCX.2	2-way - 1.6 kHz	Optimised for 15" Trapezoidal Constructor Projects (Includes massive L-pad heatsink )

- 1 Supplied packed in pairs only.
- 2 Can be supplied in 4 or 16 ohm variants - p.o.a.
- 3 Can be supplied with hi and/or low outputs to suit 4 or 16 ohm loadings - p.o.a.

# Crossovers

### Ferrite Pot-Core Technology Explained

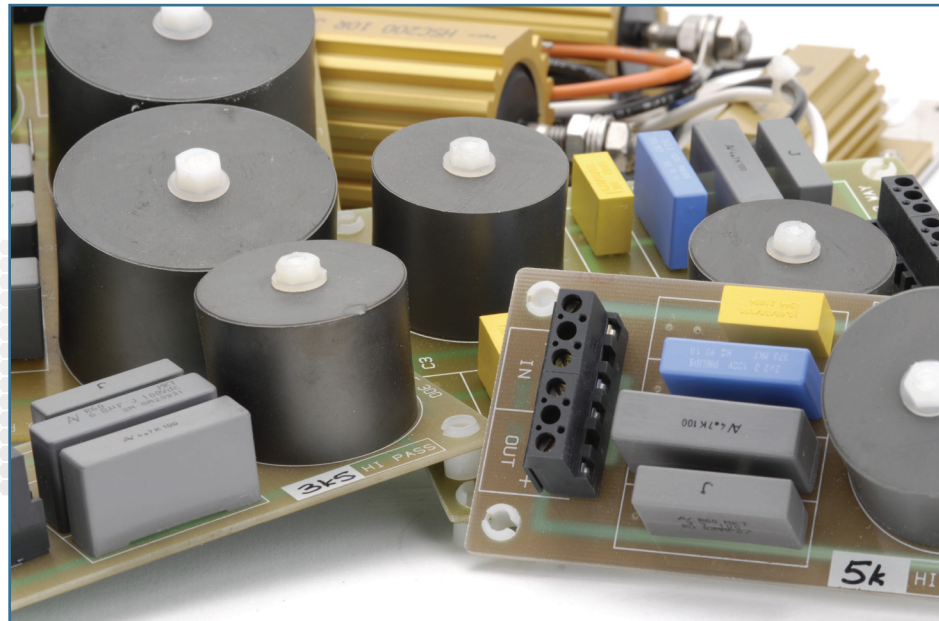
When designing crossovers, coils of a certain inductance will be indicated by the calculations which the designer will undertake. We house the coils inside ferrite pot-cores, enabling us to significantly increase the gauge of wire used to create the required inductance. The net effect of this heavier gauge wire is a significantly lowered DC resistance, enabling us to produce a range of crossovers with remarkably low insertion losses, which are nevertheless genuinely capable of handling high power levels.

### And, What's So Special About the Capacitors You Use?

Unfortunately, the more readily available reversible electrolytic capacitors often used in budget-priced filters are typically supplied with very wide tolerance levels, which can introduce wide variances from specification, power losses and distortion. Having already improved tolerance levels with our pot-core technique, we find it useful to avoid these cheaper components and use high-specification, close-tolerance, polyester capacitors, all rated at a voltage far in excess of the maximum power rating of the crossover/loudspeaker combination. And, if we need a very high capacitance, then we simply parallel several high-voltage components.

### What Power can Your Pot-Core Crossovers Handle?

All our standard ferrite pot-core crossovers and filters are rated at 250 watts R.M.S. and can confidently be used with most loudspeakers and/or horn drivers available today.



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