

Hi-pass Filters – Ferrite Pot-Core Technology

XLDHP1K6 ¹	1600 Hz	12 dB - 8 ohm	2nd Order
XLDHP3K5 18 dB ^{1,2}	3500 Hz	18 dB - 8 ohm	3rd Order
XLDHP5K ^{1,2}	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 ³	3500 Hz	18/12 dB - 8 ohm	3rd/2nd Order
XPCX25 ³	5000 Hz	18/12 dB - 8 ohm	3rd/2nd Order
XPCX29 ³	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

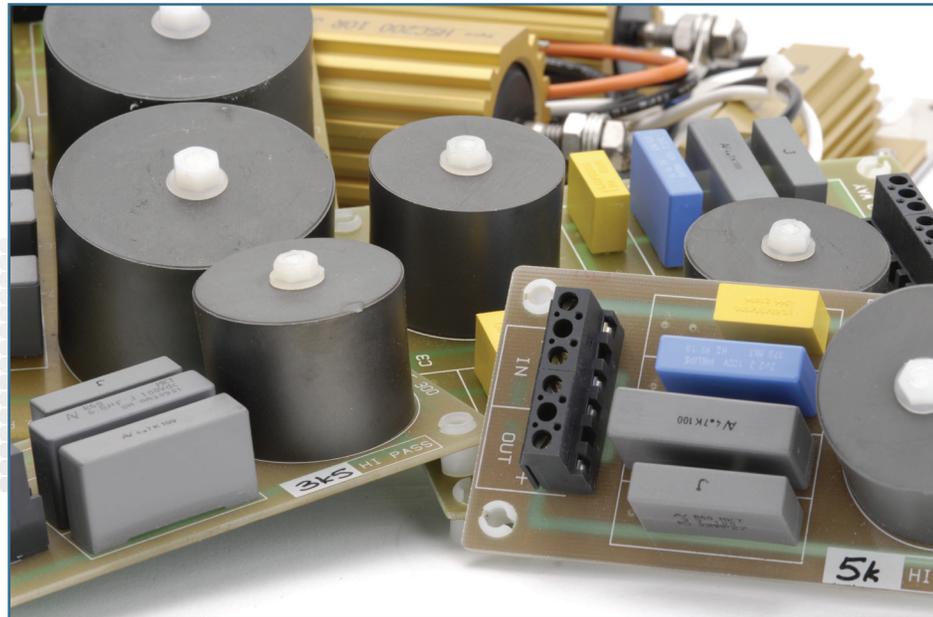
When designing crossovers, coils of a certain inductance will be indicated by the calculations which the designer will undertake. We house the coils inside ferrite pot-cores, enabling us to significantly increase the gauge of wire used to create the required inductance. The net effect of this heavier 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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