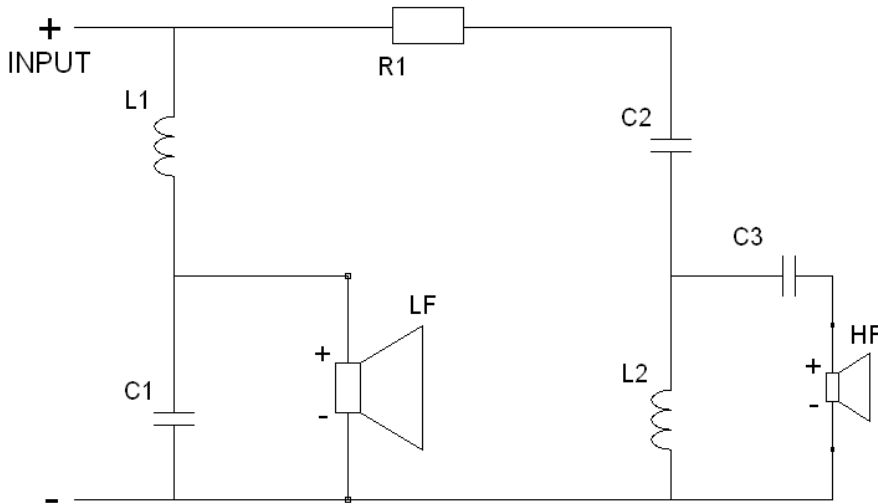


SUGGESTED CROSSOVER DESIGN

FTX0617

Coaxial, cast aluminium chassis driver

Crossover Circuit Diagram



General Driver Specifications

Power rating: LF.....150Wrms (AES Standard)
 Power rating: HF.....40Wrms (AES Standard)
 Nominal Impedance: LF.....8Ω
 Nominal Impedance: HF.....8Ω
 Sensitivity: LF.....92dB
 Sensitivity: HF.....103dB
 Overall frequency response.....110Hz-20,000Hz
 Crossover frequency.....2000Hz

Suggested Cabinet Alignment

Volume (Vb).....7lt/0.25ft³
 Tuning frequency (Fb).....100Hz
 Vent diameter (Vd).....55mm/2.2in
 Vent length (Vl).....50mm/2in

Driver Mounting Information

Overall diameter: max..189mm/7.44in;min..162mm/6.38in
 Overall depth.....93mm/3.66in
 Terminal: LF.....Spade, 6.3mm/0.25in
 Terminal: HF.....Spade, 6.3mm/0.25in
 Cut-out diameter.....150mm/5.9in
 Mounting slot dimensions.....6.5x5.5mm/0.26x0.22in
 Number of mounting slots.....4
 Mounting PCD range.....172.5-174.5mm/6.79-6.87in
 Unit weight.....3kg/6.6lb

Crossover Circuit Components

No.	Component	Value	Description	Additional
R ₁	Resistor	10Ω	Ceramic, wirewound	>11W
C ₁	Capacitor	18.0μF	Polyprop, non-polarised	5%>250V
C ₂	Capacitor	1.9μF	Polyprop, non-polarised	5%>250V
C ₃	Capacitor	6.0μF	Polyprop, non-polarised	5%>250V
L ₁	Inductor	1.25mH	Air-cored	<0.3Ω
L ₂	Inductor	0.3mH	Air-cored	<0.3Ω

