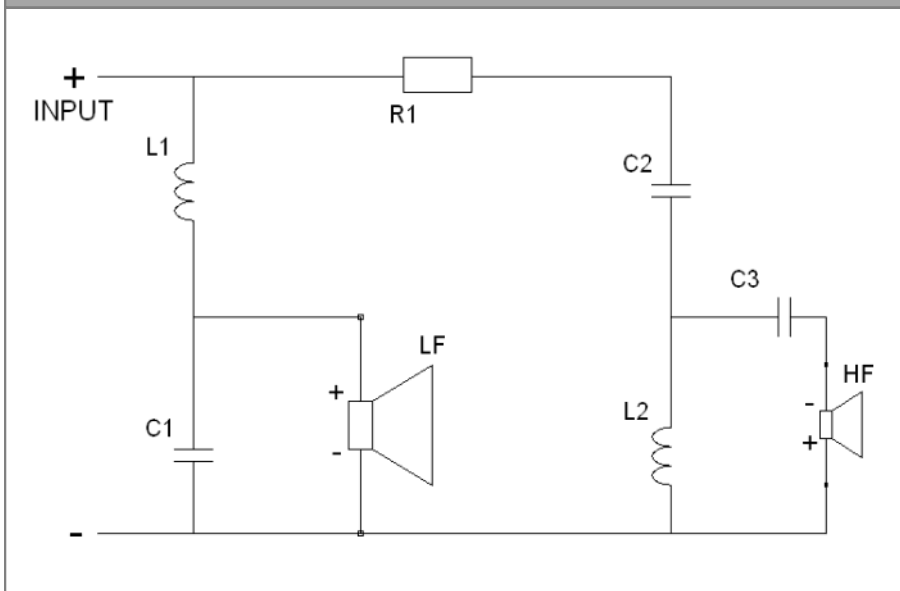


# SUGGESTED CROSSOVER DESIGN

## 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/0.25ft<sup>3</sup>  
 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 <sub>1</sub> | Resistor  | 10Ω    | Ceramic, wirewound      | >11W       |
| C <sub>1</sub> | Capacitor | 18.0μF | Polyprop, non-polarised | 5%>250V    |
| C <sub>2</sub> | Capacitor | 1.9μF  | Polyprop, non-polarised | 5%>250V    |
| C <sub>3</sub> | Capacitor | 6.0μF  | Polyprop, non-polarised | 5%>250V    |
| L <sub>1</sub> | Inductor  | 1.25mH | Air-cored               | <0.3Ω      |
| L <sub>2</sub> | Inductor  | 0.3mH  | Air-cored               | <0.3Ω      |

