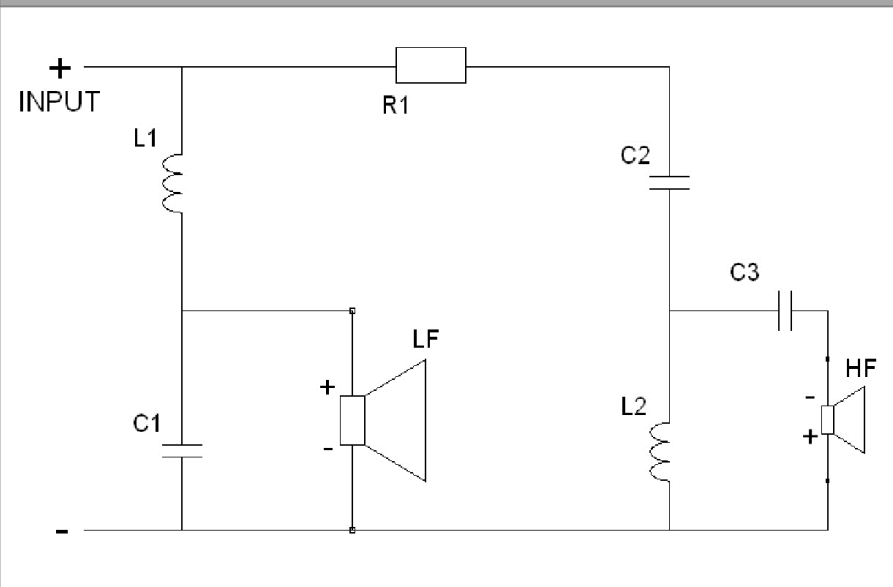


# SUGGESTED CROSSOVER DESIGN

## FTX1025

Coaxial, cast aluminium chassis driver

### Crossover Circuit Diagram



\* Note reversal of polarity on HF

### General Driver Specifications

Power rating: LF.....250Wrms (AES Standard)  
 Power rating: HF.....40Wrms (AES Standard)  
 Nominal Impedance: LF.....8Ω  
 Nominal Impedance: HF.....8Ω  
 Sensitivity: LF.....96dB  
 Sensitivity: HF.....104dB  
 Overall frequency response.....60Hz-20,000Hz  
 Crossover frequency.....2000Hz

### Suggested Cabinet Alignment

Volume (Vb).....33lt/1.16ft<sup>3</sup>  
 Tuning frequency (Fb).....65Hz  
 Vent diameter (Vd).....2x75mm/3in  
 Vent length (Vl).....120mm/4.8in

### Driver Mounting Information

Overall diameter.....260mm/10.4in  
 Overall depth.....113mm/4.46in  
 Terminal: LF.....Spring loaded  
 Terminal: HF.....Spade, 6.3mm/0.25in  
 Cut-out diameter.....234mm/9.2in  
 Mounting slot dimensions.....7.5x6.5mm/0.29x0.26in  
 Number of mounting slots.....8  
 Mounting PCD range.....244-247mm/9.6-9.7in  
 Unit weight.....4.5kg/9.9lb

### Crossover Circuit Components

No.	Component	Value	Description	Additional
R <sub>1</sub>	Resistor	3.9Ω	Ceramic, wirewound	>25W
C <sub>1</sub>	Capacitor	16.0μF	Polyprop, non-polarised	5%>250V
C <sub>2</sub>	Capacitor	3.7μF	Polyprop, non-polarised	5%>250V
C <sub>3</sub>	Capacitor	7.0μF	Polyprop, non-polarised	5%>250V
L <sub>1</sub>	Inductor	1.0mH	Air-cored	<0.45Ω
L <sub>2</sub>	Inductor	0.25mH	Air-cored	<0.2Ω

