

## Coaxial Loudspeakers

### TFX0615



#### Packed Dimensions & Weight

|                           |   |
|---------------------------|---|
| Multi pack qty            | 36  |
| Multi pack size W x D x H | 742mm x 541mm x 300mm / x<br>29.2in 21.3in x 11.8in |
| Multi pack weight         | 80kg / 176lb  |

## 6.5-inch pressed steel chassis, ferrite magnet coaxial driver

- Silk dome tweeter
- Integrated HF waveguide
- 110° nominal HF coverage

**300W**  
Continuous  
power rating

**94dB**  
sensitivity

**1.5in**  
Round copper  
voice coil

**1in**

#### General Specifications

|                         |                     |
|-------------------------|---------------------|
| Nominal Diameter        | 165mm / 6.5in       |
| Power Rating            | 150W                |
| Continuous power rating | 300W                |
| Rated impedance         | 8 ohm               |
| Sensitivity             | 94dB                |
| Frequency range         | 100-6000Hz          |
| Chassis type            | Pressed steel       |
| Magnet type             | Ferrite             |
| Magnet weight           | 0.81kg / 23oz       |
| Voice coil diameter     | 38mm / 1.5in        |
| Voice coil material     | Round copper        |
| Former material         | Polyimide           |
| Cone material           | Kevlar loaded paper |
| Surround material       | Cloth-sealed        |
| Suspension              | Single              |
| Gap height (Hg)         | 6mm / 0.24in        |
| VC winding height (Hvc) | 13.5mm / 0.53in     |

#### Mounting Information

|                          |                  |
|--------------------------|------------------|
| Overall diameter         | 178mm / 7in      |
| Overall depth            | 75.5mm / 3in     |
| Cut-out diameter         | 145mm / 5.7in    |
| Mounting hole dimensions | 4mm / 0.16in     |
| Number of mounting holes | 4                |
| Mounting hole PCD        | 168.5mm / 6.63in |
| Unit weight              | 4.6lb / 2.1kg    |

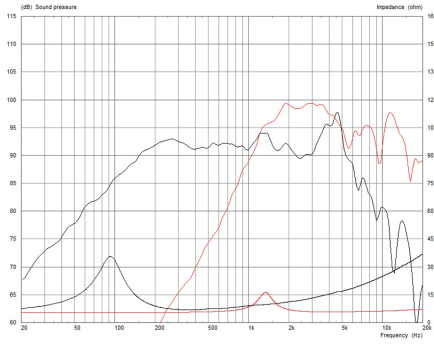
#### Parameters

|              |  |
|--------------|--|
| Sd           | 153.94cm <sup>2</sup> / 23.86in <sup>2</sup> |
| Fs           | 96.80Hz                                      |
| Mms          | 12.62g / 0.45oz                              |
| Qms          | 3.038  |
| Qes          | 0.429  |
| Qts          | 0.376  |
| Re           | 5.39 ohm                                     |
| Vas          | 7.18l / 0.25ft <sup>3</sup>                  |
| Bl           | 9.82Tm                                       |
| Cms          | 0.21mm/N                                     |
| Rms          | 2.53kg/s                                     |
| Le (at 1kHz) | 0.46mH                                       |
| Xmax         | 5.25mm / 0.21in                              |

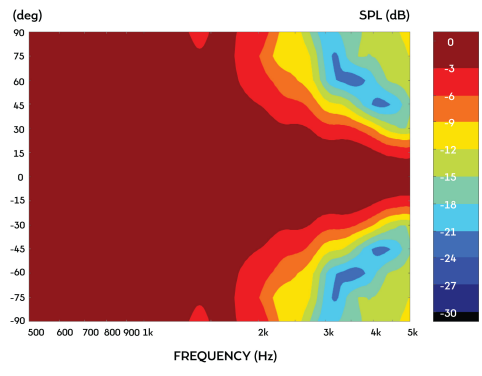
#### Additional HF Specifications

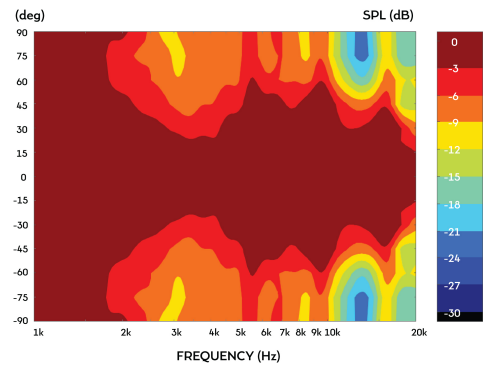
|                                |               |
|--------------------------------|---------------|
| Power rating                   | 10W           |
| Continuous power rating        | 20W           |
| Rated impedance                | 8 ohm         |
| Sensitivity                    | 98dB          |
| Frequency range                | 1700-20,000Hz |
| Recommended min. crossover 12d | 2200Hz        |
| B/oct                          |               |
| Voice coil diameter            | 25mm / 1in    |
| Magnet type                    | Neodymium     |
| Diaphragm material             | Silk          |
| Surround material              | Silk          |

#### Frequency Response and Impedance Curves



LF Countour





Def (several)  $\rightarrow$   $\text{Box} \rightarrow \text{Cart} \rightarrow \text{Vt}$ ,  $\text{Sang} \rightarrow \text{Res} \rightarrow \text{Ed} \rightarrow \text{Beating}$   
Sensitivity  $\rightarrow$   $\text{Lex} \rightarrow \text{ax}$  available