

## XT/DX 1" Tweeter



Type Number: XT25TG30-04

### Features:

The goal for this tweeter series was to create a transducer that has a frequency response that is flat to above 20K, and where the distortion is far lower than normal and more friendly to the ear. The tweeters represent a unique approach to tweeter design that has resulted in unrivaled performance, as well as in several patents (Dual Ring Radiator diaphragm, wave-guide center plug).

Driver Highlights: Dual Ring Radiator diaphragm (Patent), Wave-guide center plug (Patent), copper-clad aluwire



### Specs:

#### Electrical Data

|                       |      |     |     |
|-----------------------|------|-----|-----|
| Nominal impedance     | Zn   | 4   | ohm |
| Minimum impedance     | Zmin | --  | ohm |
| Maximum impedance     | Zo   | 19  | ohm |
| DC resistance         | Re   | 2.9 | ohm |
| Voice coil inductance | Le   | --  | mH  |

#### T-S Parameters

|                         |     |      |                 |
|-------------------------|-----|------|-----------------|
| Resonance Frequency     | fs  | 530  | Hz              |
| Mechanical Q factor     | Qms | --   |                 |
| Electrical Q factor     | Qes | --   |                 |
| Total Q factor          | Qts | --   |                 |
| Force factor            | Bl  | 2.5  | Tm              |
| Mechanical resistance   | Rms | 0.38 | Kg/s            |
| Moving mass             | Mms | 0.3  | g               |
| Suspension compliance   | Cms | --   | mm/N            |
| Effective cone diameter | D   | --   | cm              |
| Effective piston area   | Sd  | 5.4  | cm <sup>2</sup> |
| Equivalent volume       | Vas | --   | ltrs            |
| Sensitivity (2.83V/1m)  |     | 91.1 | dB              |

#### Power handling

|                                 |    |   |
|---------------------------------|----|---|
| Long-term Max Power (IEC 18.3)  | -- | W |
| Short Term Max power (IEC 18.2) | -- | W |

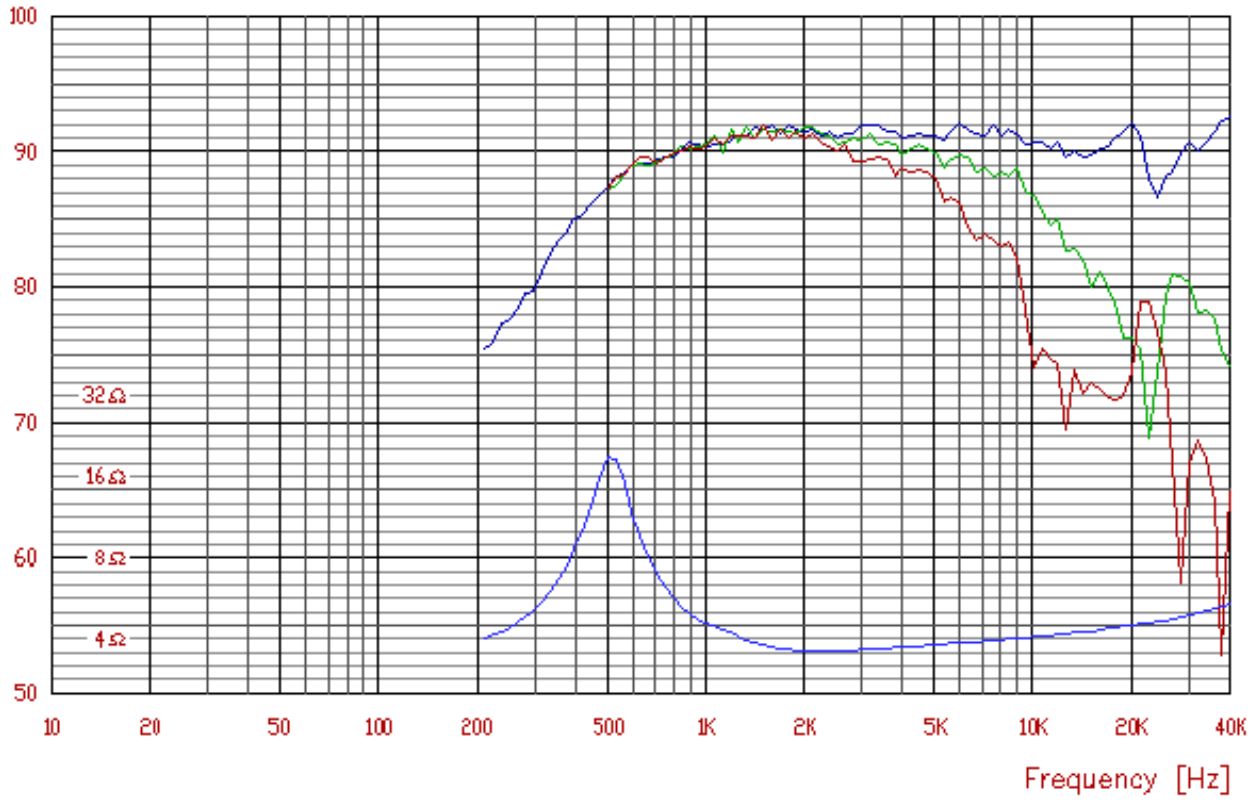
#### Voice Coil and Magnet Parameters

|                     |     |     |
|---------------------|-----|-----|
| Voice coil diameter | 26  | mm  |
| Voice coil height   | 2.2 | mm  |
| Voice coil layers   | --  |     |
| Height of the gap   | 2.5 | mm  |
| Flux density of gap | --  | mWb |
| Total useful flux   | --  | mWb |
| Diameter of magnet  | --  | mm  |
| Height of magnet    | --  | mm  |
| Weight of magnet    | --  | Kg  |

Notes:  
IEC specs refer to IEC 60268-5 third edition.  
All Tympany products are RoHS compliant.

Frequency: XT25TG30-04

SPL [dB]



Mechanical Dimensions: XT25TG30-04

