**Type Number:** XT25SC90-04

**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 4 ohm
- **Maximum impedance**: Zo 21.9 ohm
- **DC resistance**: Re 3.1 ohm
- **Voice coil inductance**: Le 7.5 mH

#### T-S Parameters
- **Resonance Frequency**: fs 837 Hz
- **Mechanical Q factor**: Qms 6.74
- **Electrical Q factor**: Qes 1.04
- **Total Q factor**: Qts 0.9
- **Force factor**: Bi -- Tm
- **Mechanical resistance**: Rms -- Kg/s
- **Moving mass**: Mms -- g
- **Suspension compliance**: Cms -- mm/N
- **Effective cone diameter**: D 3 cm
- **Effective piston area**: Sd 7 cm^2
- **Equivalent volume**: Vas -- ltrs
- **Sensitivity (2.83V/1m)**: 91.7 dB
- **Ratio fs/Qts**: F 931

#### 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**: 2
- **Height of the gap**: 2 mm
- **Flux density of gap**: -- mWb
- **Total useful flux**: -- mWb
- **Diameter of magnet**: -- mm
- **Height of magnet**: -- mm
- **Weight of magnet**: -- Kg

### Notes:

All Tymphany products are RoHS compliant.