

XT/DX 1" Tweeter



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-

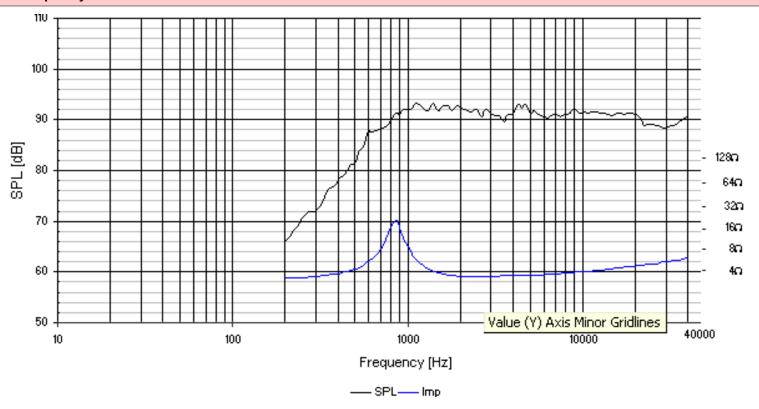
guide center plug (Patent), copper-clad aluwire



Specs:

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Electrical Data Nominal impedance Minimum impedance	Zn Zmin	4 4	ohm ohm	Power handling Long-term Max Power (IEC 18.3) Short Term Max power (IEC 18.2)	 	W W
Maximum impedance DC resistance Voice coil inductance	Zo Re Le	21.9 3.1 7.5	ohm ohm mH	Voice Coil and Magnet Parameters Voice coil diameter Voice coil height	26 2.2	mm mm
T-S Parameters Resonance Frequency Mechanical Q factor	fs Qms Qes	837 6.74 1.04	Hz	Voice coil layers Height of the gap Flux density of gap Total useful flux	2 2 	mm mWb mWb
Electrical Q factor Total Q factor Force factor Mechanical resistance	Qts Bl Rms	0.9 	Tm Kg/s	Diameter of magnet Height of magnet Weight of magnet	 	mm mm Kg
Moving mass Suspension compliance Effective cone diameter Effective piston area Equivalent volume Sensitivity (2.83V/1m)	Mms Cms D Sd Vas	 3 7 91.7	g mm/N cm cm ² Itrs dB	Notes:		
Ratio fs/Qts	F	931		IEC specs refer to IEC 60268-5 third edition. All Tymphany products are RoHS compliant.		

Frequency: XT25SC90-04



Mechanical Dimensions:XT25SC90-04

