

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:

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	Bl	--	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

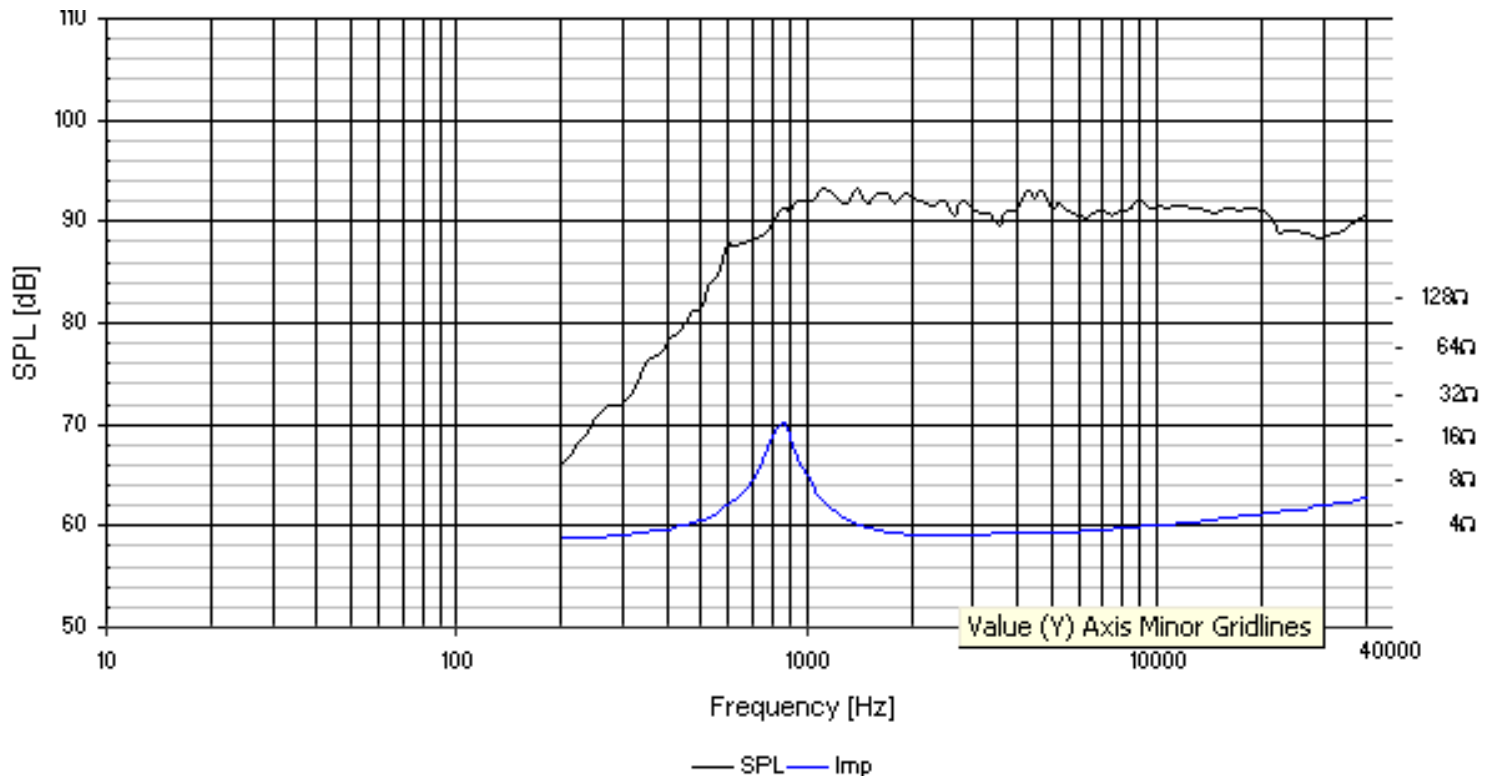
Long-term Max Power (IEC 18.3)	--	W
Short Term Max power (IEC 18.2)	--	W

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

Frequency: XT25SC90-04



Mechanical Dimensions: XT25SC90-04

