

## Tweeter

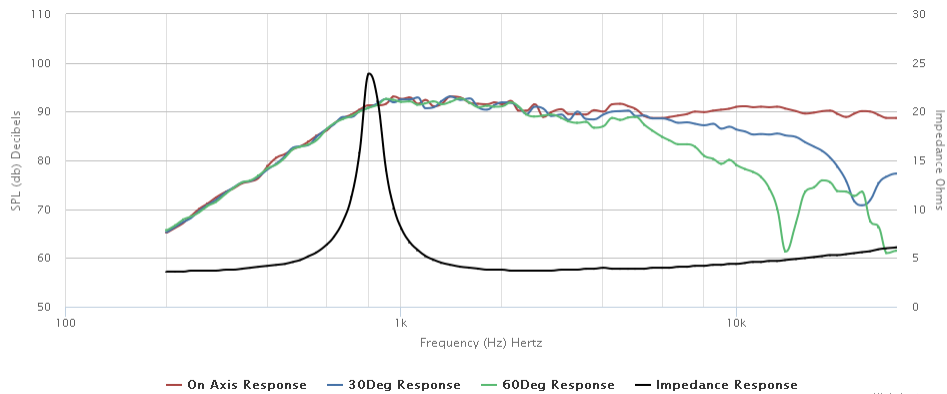
This member of the XT tweeter family utilizes two Tymphany technologies to deliver exceptional sound quality: the ring radiator patent, and the central waveguide patent. This model features a 4 ohm 25 mm voice coil, mounted in a neodymium magnet motor. The tweeter also features a rear chamber to create extended low frequency response. The faceplate features recessed mounting holes which minimizes reflections off of mounting screws.



XT25SC90-04

SPECIFICATIONS								
DC Resistance	Revc	$\Omega$	3.13	$\pm 5.0\%$	Moving Mass	Mms	g	0.3
Minimum Impedance	Zmin	$\Omega$	3.72	$\pm 7.5\%$	Suspension Compliance	Cms	um/N	118.5
Voice Coil Inductance	Le	mH	0.01	-	Effective Cone Diameter	D	cm	3.3
Resonant Frequency	fs	Hz	824.75	15%	Effective Piston Area	Sd	cm <sup>2</sup>	8.6
Mechanical Q Factor	Qms	-	7.17	-	Equivalent Volume	Vas	L	0.01
Electrical Q Factor	Qes	-	1.07	-	Motor Force Factor	BL	T•m	2.18
Total Q Factor	Qts	-	0.93	-	Motor Efficiency Factor	$\beta$	(T•m <sup>2</sup> )/ $\Omega$	1.5
Ratio	fs/Qts	-	887.78	-	Voice Coil Former Material	VCfm	-	ASV
Half Space Sensitivity	dB@2.83V/1m	dB	90.14	$\pm 1.01$	Voice Coil Inner Diameter	VCd	mm	25.76
Sensitivity	1W/1m	dB	86.8	$\pm 1.01$	Gap Height	Gh	mm	2
Rated Noise Power (IEC 268-5 18.1)	P	W	100	-	Maximum Linear Excursion	Xmax	mm	0.1
Test Spectrum Bandwidth	1300 Hz - 20k Hz	12 dB/Oct	800Hz - 20kHz	-	Ferrofluid Type	FF	-	-
Energy Bandwidth Product	EBP	(1/Qes)•fs	-	-	Transducer Size	-	-	25 mm
					Transducer Mass	-	Kg	0.07

### FREQUENCY & IMPEDANCE RESPONSE



### MECHANICAL 2D DRAWING

