

Tweeter

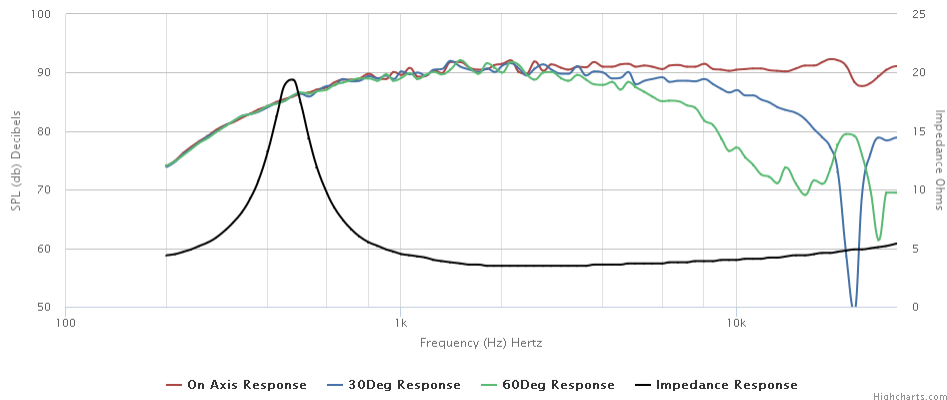
This member of the XT tweeter family utilizes two Tymphany technologies to deliver exceptional sound quality: the ring radiator patent, and the central waveguide patent. This model features a 4 ohm 25mm voice coil, mounted in a ferrite magnet motor. The tweeter also features a rear chamber to create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



XT25TG30-04

SPECIFICATIONS								
DC Resistance	Revc	Ω	3	±5.0%	Moving Mass	Mms	g	0.4
Minimum Impedance	Zmin	Ω	3.47	±7.5%	Suspension Compliance	Cms	um/N	366.5
Voice Coil Inductance	Le	mH	0.01	-	Effective Cone Diameter	D	cm	3.24
Resonant Frequency	fs	Hz	436.13	15%	Effective Piston Area	Sd	cm ²	8.2
Mechanical Q Factor	Qms	-	2.5	-	Equivalent Volume	Vas	L	0.04
Electrical Q Factor	Qes	-	0.54	-	Motor Force Factor	BL	T•m	2.36
Total Q Factor	Qts	-	0.44	-	Motor Efficiency Factor	β	(T•m ²)/Ω	1.9
Ratio	fs/Qts	-	988.97	-	Voice Coil Former Material	VCfm	-	ASV
Half Space Sensitivity	dB@2.83V/1m	dB	90.84	±1.01	Voice Coil Inner Diameter	VCd	mm	25.76
Sensitivity	1W/1m	dB	87.2	±1.01	Gap Height	Gh	mm	3
Rated Noise Power (IEC 268-5 18.1)	P	W	110	-	Maximum Linear Excursion	Xmax	mm	0.5
Test Spectrum Bandwidth	1300 Hz - 20k Hz	12 dB/Oct	400hz - 20khz	-	Ferrofluid Type	FF	-	-
Energy Bandwidth Product	EBP	(1/Qes)•fs	-	-	Transducer Size	-	-	25 mm
					Transducer Mass	-	Kg	0.5

FREQUENCY & IMPEDANCE RESPONSE



MECHANICAL 2D DRAWING

