

Tweeter

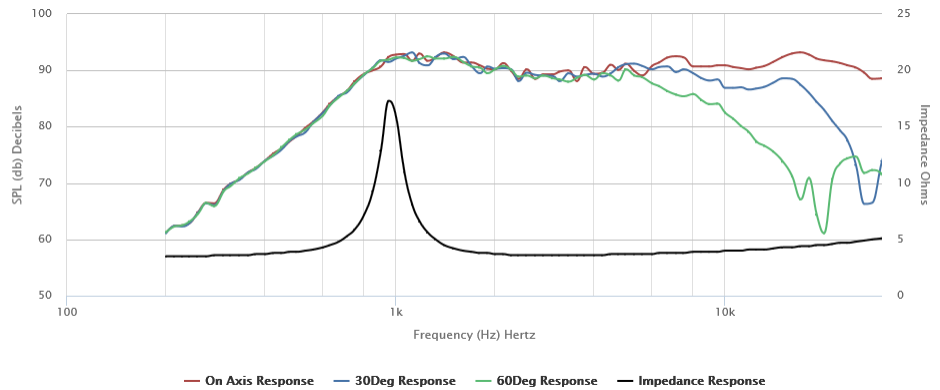
This member of the XT tweeter family utilizes two Tymphany technologies to deliver exceptional sound quality: the ring radiator patent, and the central waveguide patent. This model features a 0.75 inch 4 ohm voice coil, mounted in a NdFeB motor. The tweeter also features a rear chamber to create extended low frequency response. The faceplate features recessed mounting holes which minimizes reflections off of mounting screws.



XT19NC30-04

SPECIFICATIONS								
DC Resistance	Revc	Ω	3.06	$\pm 5.0\%$	Moving Mass	Mms	g	0.2
Minimum Impedance	Zmin	Ω	3.59	$\pm 7.5\%$	Suspension Compliance	Cms	um/N	130.3
Voice Coil Inductance	Le	mH	0.01	-	Effective Cone Diameter	D	cm	2.4
Resonant Frequency	fs	Hz	972.68	15%	Effective Piston Area	Sd	cm ²	4.5
Mechanical Q Factor	Qms	-	7.72	-	Equivalent Volume	Vas	L	0
Electrical Q Factor	Qes	-	1.44	-	Motor Force Factor	BL	T•m	1.63
Total Q Factor	Qts	-	1.21	-	Motor Efficiency Factor	β	(T•m ²)/ Ω	0.9
Ratio	fs/Qts	-	801.88	-	Voice Coil Former Material	VCfm	-	ASV
Half Space Sensitivity	dB@2.83V/1m	dB	89.36	± 1.01	Voice Coil Inner Diameter	VCd	mm	19.3
Sensitivity	1W/1m	dB	85.9	± 1.01	Gap Height	Gh	mm	2
Rated Noise Power (IEC 2685 18.1)	P	W	80	-	Maximum Linear Excursion	Xmax	mm	0.1
Test Spectrum Bandwidth	1300 Hz - 20k Hz	12 dB/Oct	1kHz - 20kHz	-	Ferrofluid Type	FF	-	-
Energy Bandwidth Product	EBP	(1/Qes)•fs	-	-	Transducer Size	-	-	19mm
				-	Transducer Mass	-	Kg	0.05

FREQUENCY & IMPEDANCE RESPONSE



MECHANICAL 2D DRAWING

