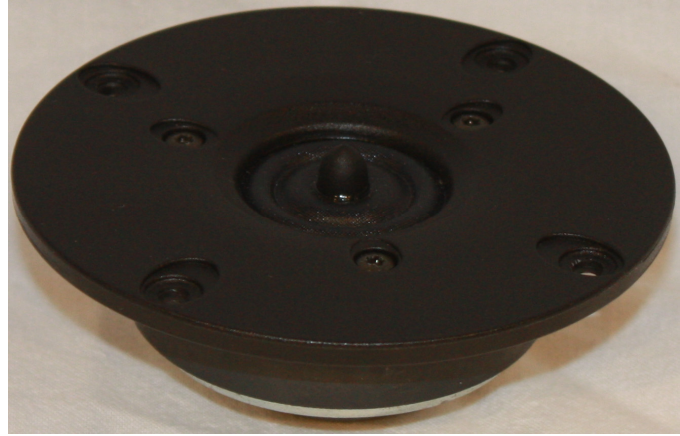


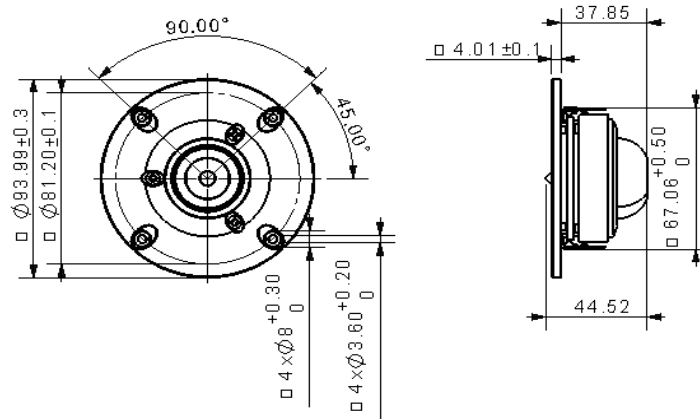


Product Description:

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 19 mm 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.



Mechanical 2D Drawing:



Specifications:

DC Resistance	R_{evc}	Ω	2.9	5.0%	Energy Bandwidth Product	EBP	$(1/Q_{es}) \cdot f_s$	923
Minimum Impedance	Z_{min}	Ω	3.3	7.5%	Moving Mass	M_{ms}	g	0.21
Voice Coil Inductance	L_e	mH	0.01		Suspension Compliance	C_{ms}	um/N	211.2
Resonant Frequency	f_s	Hz	763	15.0%	Effective Cone Diameter	D	cm	2.5
Mechanical Q Factor	Q_{ms}	-	3.1		Effective Piston Area	S_D	cm ²	4.9
Electrical Q Factor	Q_{es}	-	0.83		Equivalent Volume	V_{as}	L	0.01
Total Q Factor	Q_{ts}	-	0.65		Motor Force Factor	BL	T·m	1.85
Ratio f_s / Q_{ts}	F	f_s / Q_{ts}	1172		Motor Efficiency Factor	β	$(T \cdot m^2) / \Omega$	1.20
Half Space Sensitivity @ 2.83V	dB@2.83V/1m	dB	88.6	+/-1.0 ¹	Voice Coil Former Material	VC _{fm}	-	Aluminum
Sensitivity @ 1W/1m	1W/1m	dB	87.7	+/-1.0 ¹	Voice Coil Inner Diameter	VC _d	mm	19.3
					Gap Height	Gh	mm	2.5
Rated Noise Power (IEC 2685 18.1)	P	W	120		Maximum Linear Excursion	X_{max}	mm	0.35
Test Spectrum Bandwidth	700Hz - 20kHz		12 dB/Oct		Ferrofluid Type	FF		N/A
					Transducer Size		inch	0.75
					Transducer Mass		kg	0.32

1 - Piston Band Sensitivity Tolerance

Frequency and Impedance Response:

