

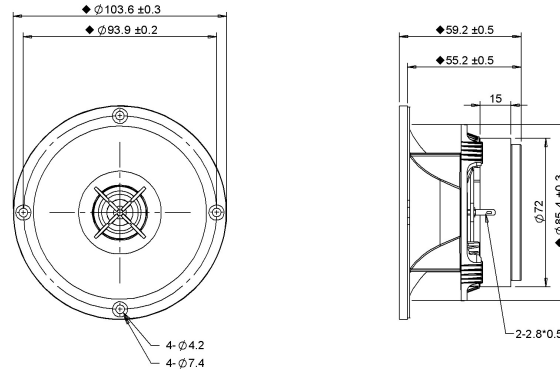
Tweeter

This is a 1 inch 4 ohm transducer, member of the H family. This family design features a treated Ti dome, large rear chamber for low resonant frequency, and a ferrofluid cooled the motor. The large motor allow for robust power handling capacity. The tweeter comes with a faceplate with recessed mounting holes, for easy installation into the desired application. The faceplate has a horn geometry for increased sensitivity.



H25TG05-04

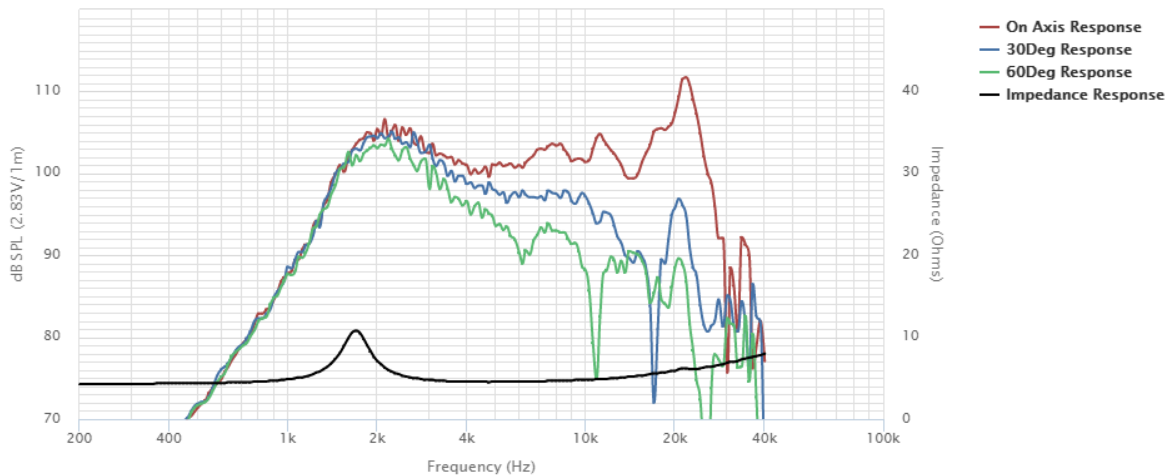
MECHANICAL 2D DRAWING



SPECIFICATIONS

DC Resistance	Revc	Ω	3.69	±5.0%	Moving Mass	Mms	g	0.4
Minimum Impedance	Zmin	Ω	4.55	±7.5%	Suspension Compliance	Cms	um/N	23.5
Voice Coil Inductance	Le	mH	0.01	-	Effective Cone Diameter	D	cm	2.58
Resonant Frequency	fs	Hz	1738.33	15%	Effective Piston Area	Sd	cm2	5.2
Mechanical Q Factor	Qms	-	4.23	-	Equivalent Volume	Vas	L	0
Electrical Q Factor	Qes	-	2.66	-	Motor Force Factor	BL	T•m	2.33
Total Q Factor	Qts	-	1.63	-	Motor Efficiency Factor	β	(T•m2)/Ω	1.5
Ratio	fs/Qts	-	1063.85	-	Voice Coil Former Material	VCfm	-	KSV
Half Space Sensitivity	dB@2.83V/1m	dB	100.56	±1.01	Voice Coil Inner Diameter	VCd	mm	25.4
Sensitivity	1W/1m	dB	98.1	±1.01	Gap Height	Gh	mm	3
Rated Noise Power (IEC 268-5 18.1)	P	W	150	-	Maximum Linear Excursion	Xmax	mm	1
Test Spectrum Bandwidth		12 dB/Oct	2KHz-20KHz	-	Ferrofluid Type	FF	-	
Energy Bandwidth Product	EBP	(1/Qes)•fs		-	Transducer Size		-	25 mm
				-	Transducer Mass		Kg	0.56

FREQUENCY & IMPEDANCE RESPONSE



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