

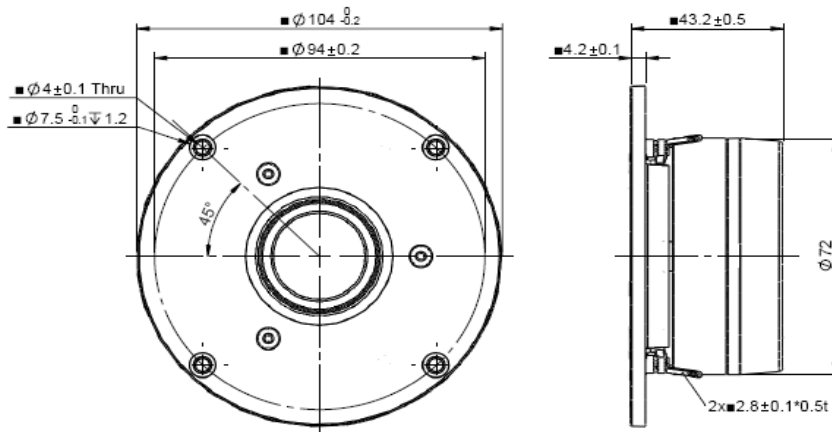


Product Description:

This D family tweeter features an 6 Ω 25 mm voice coil, a treated silk dome, large rear chamber for low resonant frequency, and a ferrofluid-cooled ferrite motor. The large motor and rear chamber allow for robust power handling capacity. The tweeter comes with a faceplate with recessed mounting holes, for easy installation into the desired application.



Mechanical 2D Drawing:



Specifications:

DC Resistance	R_{evc}	Ω	4.9	$\pm 7.5\%$	Energy Bandwidth Product	EBP	$(1/Q_{es}) \cdot f_s$	907
Minimum Impedance	Z_{min}	Ω	5.5	$\pm 7.5\%$	Moving Mass	M_{ms}	g	0.22
Voice Coil Inductance	L_e	mH	0.04		Suspension Compliance	C_{ms}	$\mu m/N$	138.0
Resonant Frequency	f_s	Hz	912	$\pm 20\%$	Effective Cone Diameter	D	cm	3.0
Mechanical Q Factor	Q_{ms}	-	1.2		Effective Piston Area	S_D	cm^2	7.1
Electrical Q Factor	Q_{es}	-	1.01		Equivalent Volume	V_{as}	L	0.010
Total Q Factor	Q_{ts}	-	0.55		Motor Force Factor	BL	T-m	2.48
Ratio f_s / Q_{es}	F	f_s / Q_{es}	1658		Motor Efficiency Factor	β	$(T \cdot m^2) / \Omega$	1.26
Half Space Sensitivity @ 2.83V	$dB @ 2.83V/1m$	dB	92.8	$\pm 1.0^1$	Voice Coil Former Material	VC_m	-	ASV
Sensitivity @ 1W/1m	$1W/1m$	dB	90.6	$\pm 1.0^1$	Voice Coil Inner Diameter	VC_d	mm	25.79
					Gap Height	Gh	mm	2.50
Rated Noise Power (IEC 2685 18.1)	P	W	100		Maximum Linear Excursion	X_{max}	mm	0.45
Test Spectrum Bandwidth	2.5KHz-20KHz		12 dB/Oct		Ferrofluid Type	FF		APGL11
					Transducer Size	-	-	1 inch
					Transducer Mass	-	Kg	0.52

1 - Piston Band Sensitivity Tolerance

Frequency and Impedance Response:

