

Tweeter

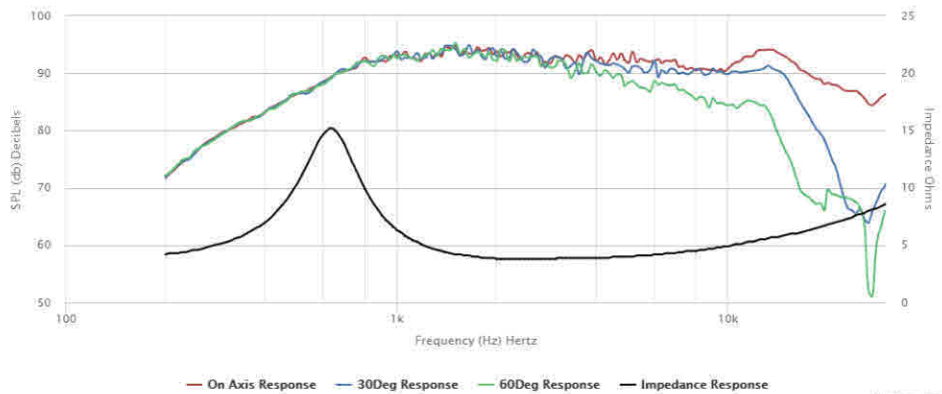
This DX family tweeter features a 4 ohm 25 mm ferrofluid-cooled voice coil, a damped silk diaphragm with large surround roll to produce a low resonant frequency, and a ferrite magnet motor which adds heat sinking for power handling capacity. The faceplate features recessed mounting holes to minimize reflections.



DX25TG59-04

SPECIFICATIONS								
DC Resistance	Revc	Ω	2.93	±5.0%	Moving Mass	Mms	g	0.4
Minimum Impedance	Zmin	Ω	3.78	±7.5%	Suspension Compliance	Cms	um/N	170.2
Voice Coil Inductance	Le	mH	0.02	-	Effective Cone Diameter	D	cm	3.23
Resonant Frequency	fs	Hz	640.02	15%	Effective Piston Area	Sd	cm ²	8.2
Mechanical Q Factor	Qms	-	2.46	-	Equivalent Volume	Vas	L	0.02
Electrical Q Factor	Qes	-	0.74	-	Motor Force Factor	BL	T•m	2.41
Total Q Factor	Qts	-	0.57	-	Motor Efficiency Factor	β	(T•m ²)/Ω	2
Ratio	fs/Qts	-	1128.79	-	Voice Coil Former Material	VCfm	-	ASV
Half Space Sensitivity	dB@2.83V/1m	dB	93.02	±1.01	Voice Coil Inner Diameter	VCd	mm	25.76
Sensitivity	1W/1m	dB	89.8	±1.01	Gap Height	Gh	mm	2
Rated Noise Power (IEC 2685 18.1)	P	W	100	-	Maximum Linear Excursion	Xmax	mm	0.1
Test Spectrum Bandwidth	1300 Hz - 20k Hz	12 dB/Oct	2.5KHz-20KHz	-	Ferrofluid Type	FF	-	APGS11N
Energy Bandwidth Product	EBP	(1/Qes)•fs	-	-	Transducer Size	-	-	25
				-	Transducer Mass	-	Kg	0.5

FREQUENCY & IMPEDANCE RESPONSE



MECHANICAL 2D DRAWING

