

Tweeter

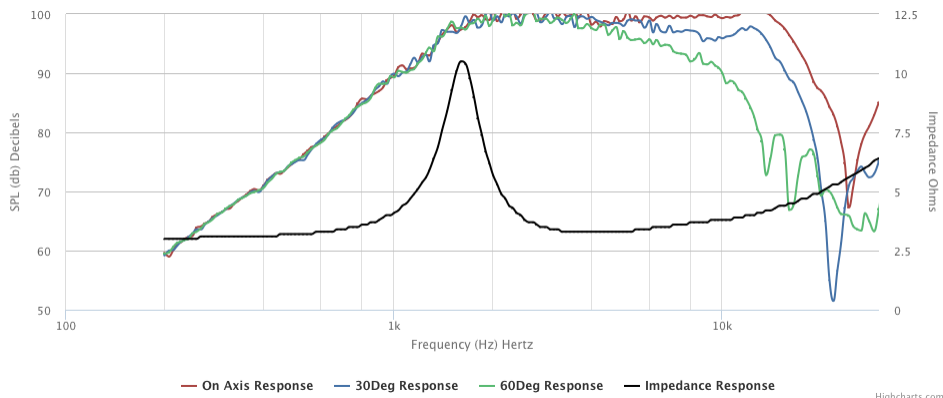
This BC family tweeter features a 4 ohm 25 mm voice coil, a damped fabric dome for smooth frequency response performance, and ferrofluid in the gap of the NdFeB motor, providing enhanced cooling of the voice coil. The tweeter comes with a compact faceplate with recessed mounting holes. A finned heat sink has been added for improved power handling.



BC25SC08-04

SPECIFICATIONS								
DC Resistance	Revc	Ω	2.79	$\pm 5.0\%$	Moving Mass	Mms	g	0.2
Minimum Impedance	Zmin	Ω	3.27	$\pm 7.5\%$	Suspension Compliance	Cms	um/N	44.3
Voice Coil Inductance	Le	mH	0.02	-	Effective Cone Diameter	D	cm	2.55
Resonant Frequency	fs	Hz	1663.19	15%	Effective Piston Area	Sd	cm ²	5.1
Mechanical Q Factor	Qms	-	4.93	-	Equivalent Volume	Vas	L	0
Electrical Q Factor	Qes	-	1.53	-	Motor Force Factor	BL	T•m	1.98
Total Q Factor	Qts	-	1.17	-	Motor Efficiency Factor	β	(T•m ²)/ Ω	1.4
Ratio	fs/Qts	-	1425.19	-	Voice Coil Former Material	VCfm	-	KSV
Half Space Sensitivity	dB@2.83V/1m	dB	98.77	± 1.01	Voice Coil Inner Diameter	VCd	mm	25.4
Sensitivity	1W/1m	dB	94.9	± 1.01	Gap Height	Gh	mm	2
Rated Noise Power (IEC 268-5 18.1)	P	W	100	-	Maximum Linear Excursion	Xmax	mm	0
Test Spectrum Bandwidth	1300 Hz - 20k Hz	12 dB/Oct	2.5kHz~20kHz	-	Ferrofluid Type	FF	-	APG027N
Energy Bandwidth Product	EBP	(1/Qes)•fs	-	-	Transducer Size	-	-	25 mm
					Transducer Mass	-	Kg	0.08

FREQUENCY & IMPEDANCE RESPONSE



MECHANICAL 2D DRAWING

