

Model Number: BC25TG15-04 Revision: Rev 1_0
Product Line: Peerless Silver Date: 4-Sep-09

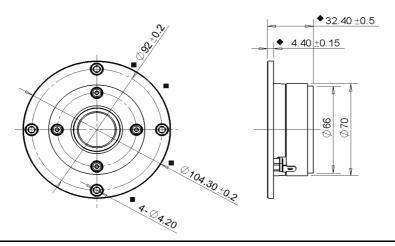


Product Description:

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 ferrite magnet motor, providing enhanced cooling of the voice coil. The tweeter's faceplate features recessed mounting holes, to hide mounting screws and minimize reflections.



Mechanical 2D Drawing:



Specifications:

DC Resistance	R _{evc}	Ω	3.0	5.0%	Energy Bandwidth Product	EBP	$(1/Q_{es}) \cdot f_s$	896
Minimum Impedance	Z_{min}	Ω	3.7	7.5%	Moving Mass	M_{ms}	g	0.31
Voice Coil Inductance	L _e	mH	0.02		Suspension Compliance	C_{ms}	um/N	64.5
Resonant Frequency	f _s	Hz	1130	15.0%	Effective Cone Diameter	D	cm	2.8
Mechanical Q Factor	Q _{ms}	-	2.5		Effective Piston Area	S_D	cm ²	6.2
Electrical Q Factor	Q _{es}	-	1.26		Equivalent Volume	V _{as}	L	0.00
Total Q Factor	Q_{ts}	-	0.84		Motor Force Factor	BL	T·m	2.28
Ratio f _s / Q _{ts}	F	f_s / Q_{ts}	1340		Motor Efficiency Factor	β	$(T \cdot m^2)/\Omega$	1.73
Half Space Sensitivity @ 2.83V	dB@2.83V/1m	dB	93.2	+/-1.0 ¹	Voice Coil Former Material	VC_{fm}	-	ASV
Sensitivity @ 1W/1m	1W/1m	dB	87.8	+/-1.0 ¹	Voice Coil Inner Diameter	VC_d	mm	25.4
					Gap Height	Gh	mm	3.0
Rated Noise Power (IEC 2685 18.1)	P	W	50		Maximum Linear Excursion	X_{max}	mm	0.50
Test Spectrum Bandwidth 1.1kHz - 20		kHz 1		IB/Oct	Ferrofluid Type	FF		APG027
					Transducer Size	-	inch	1
Piston Band Sensitivity Tolerance					Transducer Mass	-	kg	0.5

Frequency and Impedance Response:

