

Model Number: D26NC56-06  
Product Line: Peerless Silver

Revision: Rev 1  
Date: 9-Apr-14

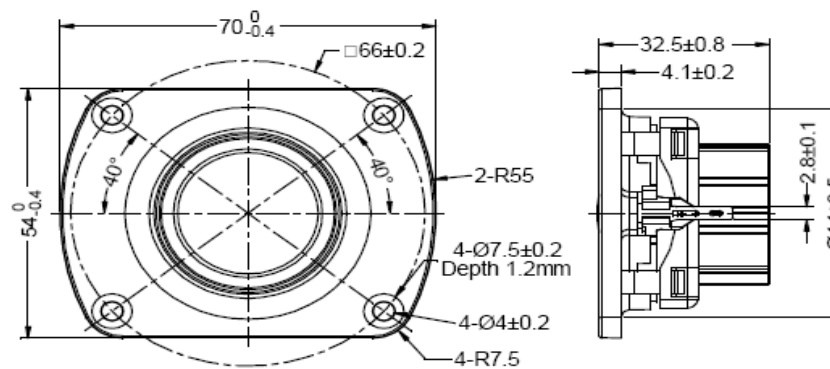


### Product Description:

This D family tweeter features a 6Ω 25mm voice coil, a treated silk dome for smooth frequency response performance, and ferrofluid in the gap of the neodymium magnet motor, providing enhanced cooling of the voice coil. The tweeter comes with a faceplate with recessed mounting holes, for easy installation into the desired application.



### Mechanical 2D Drawing:

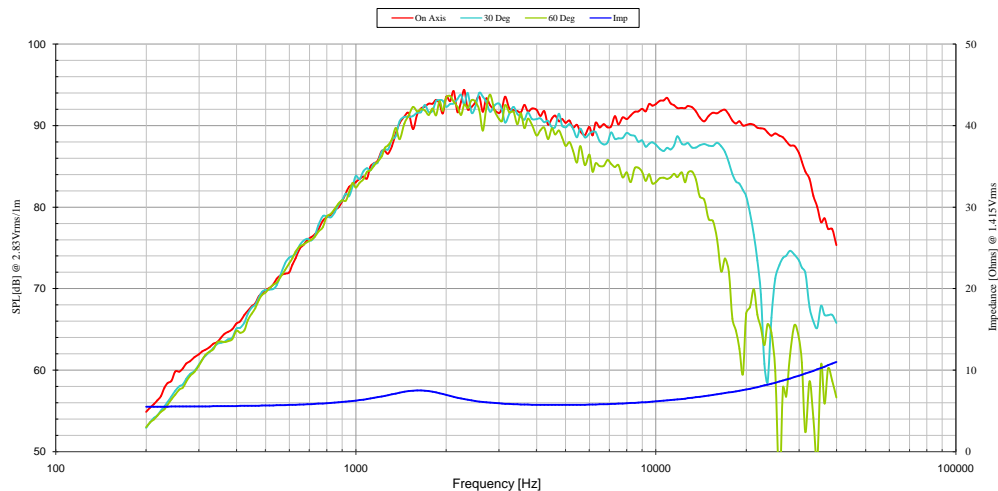


### Specifications:

DC Resistance	$R_{dc}$	Ω	4.7	±7.5%	Energy Bandwidth Product	EBP	$(1/Q_{es}) \cdot f_s$	448
Minimum Impedance	$Z_{min}$	Ω	5.7	±7.5%	Moving Mass	$M_{ms}$	g	0.36
Voice Coil Inductance	$L_e$	mH	0.02		Suspension Compliance	$C_{ms}$	um/N	26.7
Resonant Frequency	$f_s$	Hz	1620	±20%	Effective Cone Diameter	D	cm	3.0
Mechanical Q Factor	$Q_{ms}$	-	1.4		Effective Piston Area	$S_D$	cm <sup>2</sup>	7.1
Electrical Q Factor	$Q_{es}$	-	3.61		Equivalent Volume	$V_{as}$	L	0.002
Total Q Factor	$Q_t$	-	1.02		Motor Force Factor	BL	T-m	2.19
Ratio $f_s / Q_{ts}$	F	$f_s / Q_{ts}$	1591		Motor Efficiency Factor	$\beta$	$(T \cdot m^2) / \Omega$	1.02
Half Space Sensitivity @ 2.83V	$dB @ 2.83V/1m$	dB	90.7	±1.0 <sup>1</sup>	Voice Coil Former Material	VC <sub>m</sub>	-	ASV
Sensitivity @ 1W/1m	$1W/1m$	dB	88.4	±1.0 <sup>1</sup>	Voice Coil Inner Diameter	VC <sub>d</sub>	mm	25.79
					Gap Height	Gh	mm	2.50
Rated Noise Power (IEC 2685 18.1)	P	W	100		Maximum Linear Excursion	X <sub>max</sub>	mm	0.45
Test Spectrum Bandwidth	2.5K-20KHz	12 dB/Oct			Ferrofluid Type	FF	-	APG087
					Transducer Size	-	-	25 mm
					Transducer Mass	-	Kg	0.080

1 - Piston Band Sensitivity Tolerance

### Frequency and Impedance Response:



F088-0713A