

Model Number: D26NC15-06
Product Line: Peerless Silver

Revision: Rev 2
Date: 27-Jun-14

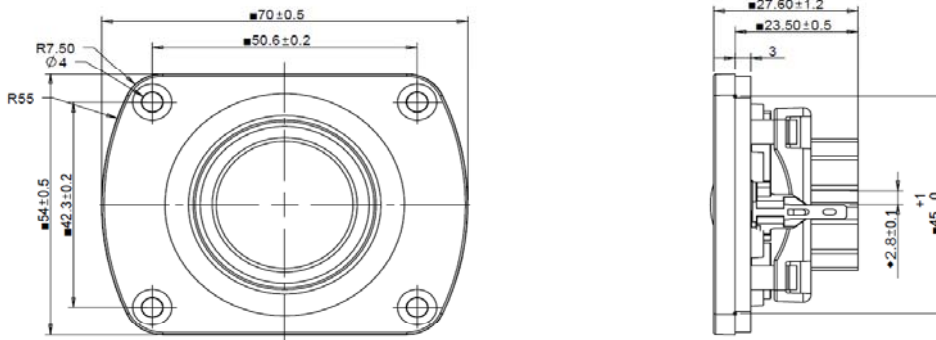


Product Description:

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 _{evc}	Ω	4.7	±7.5%	Energy Bandwidth Product	EBP	(1/Q _{es}) f _s	454
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	26.6
Resonant Frequency	f _s	Hz	1630	±20%	Effective Cone Diameter	D	cm	3.0
Mechanical Q Factor	Q _{ms}	-	1.3		Effective Piston Area	S _D	cm ²	7.1
Electrical Q Factor	Q _{es}	-	3.59		Equivalent Volume	V _{as}	L	0.002
Total Q Factor	Q _{ts}	-	0.97		Motor Force Factor	BL	T·m	2.19
Ratio f _s / Q _{ts}	F	f _s / Q _{ts}	1684		Motor Efficiency Factor	β	(T·m ²)/Ω	1.03
Half Space Sensitivity @ 2.83V	dB@2.83V/1m	dB	89.7	±1.0 ¹	Voice Coil Former Material	VC _{fm}	-	ASV
Sensitivity @ 1W/1m	1W/1m	dB	87.3	±1.0 ¹	Voice Coil Inner Diameter	VC _d	mm	25.79
Rated Noise Power (IEC 2685 18.1)	P	W	100		Cap Height	Gh	mm	2.50
Test Spectrum Bandwidth	2.5K-20KHz	12 dB/Oct			Maximum Linear Excursion	X _{max}	mm	0.45
					Ferrofluid Type	FF	-	APG087
					Transducer Size	-	-	25 mm
					Transducer Mass	-	-	0.080 Kg

1 - Piston Band Sensitivity Tolerance

Frequency and Impedance Response:

