



**Model No:** HDS-135F25CP03-04  
**Product Line:**

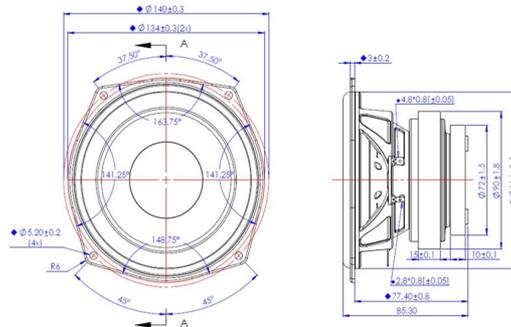
**Rev:** 1  
**Last Update:** 2021-07-01 17:14:09

**Product Description:**

HDS Woofer, 5.25 inch, Coated Paper Cone, Ferrite Motor, Steel Basket, 4 ohm  
 NOTE THIS DRIVER IS NOT APPROVED AND/OR IS NOT IN MASS PRODUCTION YET. AS SUCH IT MAY BE SUBJECT TO CHANGE. SPEC IS ONLY FOR INFORMATION. PLEASE CHECK STATUS WITH THE ENGINEER



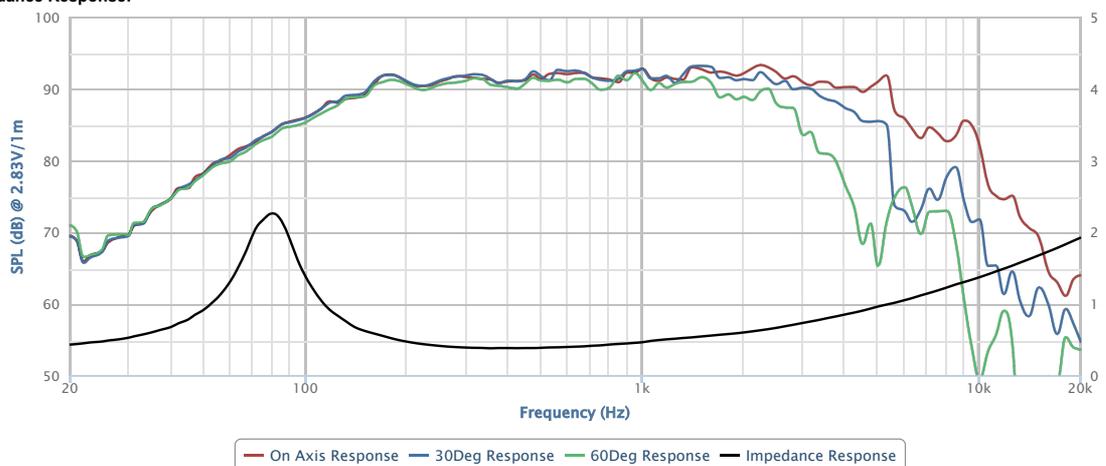
**Mechanical 2D drawing:**



**Specifications:**

DC Resistance	Revc	Ω	3.3	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	176.85
Minimum Impedance	Zmin	Ω	3.78	7.5%	Moving Mass	Mms	g	9.69
Voice Coil Inductance	Le	mH	0.16		Suspension Compliance	Cms	um/N	395.28
Resonant Frequency	Fs	Hz	81.35	15%	Effective Cone diameter	D	cm	10.65
Mechanical Q Factor	Qms	-	3.09		Effective Piston Area	Sd	cm <sup>2</sup>	89.08
Electrical Q Factor	Qes	-	0.46		Effective Volume	Vas	L	4.41
Total Q Factor	Qts	-	0.4		Motor Force Factor	BL	Tm	5.97
Ratio Fs/Qts	F	Fs/Qts	203.38		Motor Efficiency Factor	β	(T*M <sup>2</sup> )/Ω	10.8
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	91.22	+/- 1.0db	Voice coil former Material	VCfm	-	ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	87.96	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.73
Rated Noise Power	P	W	80		Gap Height	Gh	mm	6
Test Spectrum Bandwidth			50Hz-5KHz		Maximum Linear Excursion	Xmax	mm	3.5
					Ferrofluid Type	FF		
					Transducer Size		Inch	5.25
					Transducer Mass		Kg	1.17

**Frequency And Impedance Response:**



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