The best solution for music

DCspeakers Solutions

Model Series: N/A
Model No.: N/A

Driver Specification Sheet

Rev: 1
Updated: Jan-17-2026

Description: 4 inch LF woofer,25mm voice coil,Ferrite motor,NBR surround+Glass Friber cone+coating,Steel basket, 4 ohms

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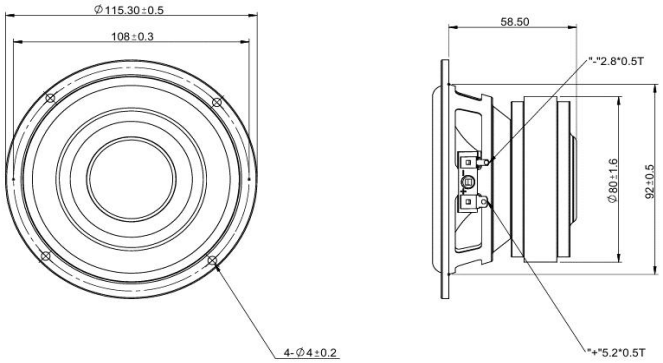
Features

* **Cost-effective design for PA systems such as Clubs, Portable music systems**
* **Rated power (AES): W**
* **Program power:W**
* **95 dB Sensitivity**
* **Optimized-design motor system by Ferrite**
* **Optimized-design for suspension**
* **1" (25mm) High-Temp voice coil**

2D Drawing



Specification

DC Resistance	R_{evc}	Ω	3.80	±7.5%	Energy Bandwidth Product	EBP	$(1/Q_{es})\cdot f_s$	87.07	
Minimum Impedance	Z_{min}	Ω	3.99	±7.5%	Moving Mass	M_{ms}	g	9.32	
Voice Coil Inductance	L_e	mH	0.17		Suspension Compliance	C_{ms}	um/N	365.59	
Resonant Frequency	f_s	Hz	86.20	±15%	Effective Cone Diameter	D	cm	8.20	
Mechanical Q Factor	Q_{ms}	-	4.15		Effective Piston Area	S_D	cm^2	52.81	
Electrical Q Factor	Q_{es}	-	0.99		Equivalent Volume	V_{as}	L	1.43	
Total Q Factor	Q_{ts}	-	0.80		Motor Force Factor	BL	T·m	4.38	
Ratio f_s / Q_{ts}	F	f_s / Q_{ts}	107.75		Motor Efficiency Factor	β	$(T\cdot m)^2/Ω$	5.05	
Half Space Sensitivity @ 2.83V	dB @2.83V/1M	dB	81.46	±2 dB[1]	Voice Coil Former Material	VCfm	-	Polymide	
Sensitivity @ 1W / 1m	1W/1M	dB	81.46	±2 dB[1]	Voice Coil Inner Diameter	VCd	mm	25.50	
					Gap Height	Gh	mm	6.00	
Rated Noise Power	60Hz~600Hz	W	250.00	AES STD	Maximum Linear Excursion	Xmax	mm	4.30	
Test Spectrum Bandwidth	60Hz~600Hz		12dB/oct		Ferrofluid Type	FF		N/A	
					Transducer Mass	-	Kg	0.80	±5%

1 - Measured by MLSSA
2 - Ambient measurement conditions are controlled as follows: 25°C ±5°C, 60% RH ±20%
3 - Xmax is derived from:(voice coil winding winding width-gap depth)/2

Frequency & Impedance Response