8" 300W

Code Z005163

8 E2 2 CS 4Ω

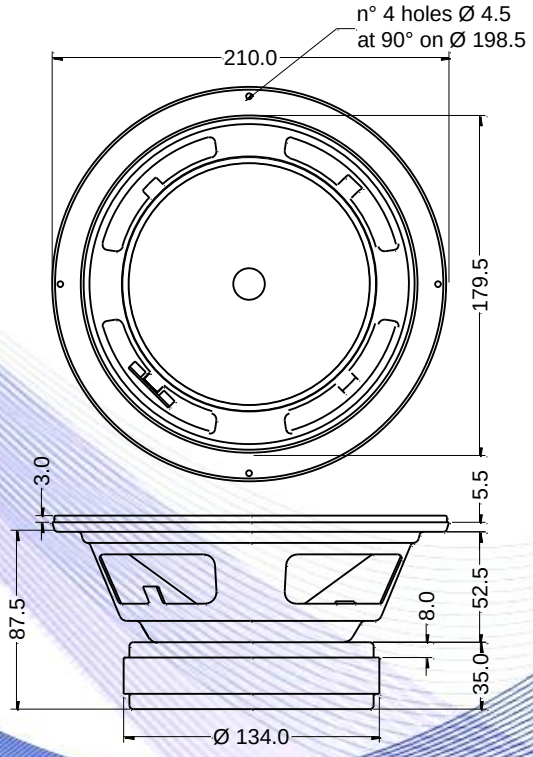
Car Woofer

- 2” voice coil Kapton former
- Cloth surround with DAR technology
- Ferrite magnet circuit
- 94.0 dB sensitivity

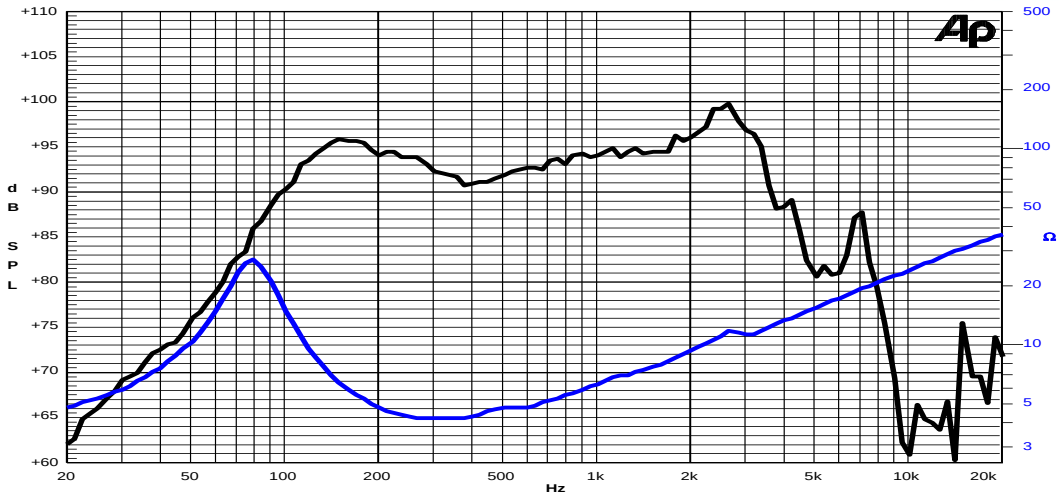
Specifications	
Nominal Diameter	209mm (8")
Nominal Impedance	4Ω
Rated Power AES [1]	150W
Continuous Program Power [2]	300W
Sensitivity @ 1W/1m [3]	94.0dB
Voice Coil Diameter	50mm (2")
Voice Coil Winding Depth	11mm
Magnetic Gap Depth	8mm
Flux Density	1.10T
Magnet Weight	1100g
Net Weight	3.1kg

Thiele & Small Parameters [4]			
Re	3.16Ω	Fs	79.3Hz
Qms	2.75	Qes	0.43
Qts	0.37	Mms	24.5g
Cms	164µm/N	Bxl	9.49Tm
Vas	10.6l	Sd	213.8cm^2
X max[5]	+/-2.7mm	X var [6]	+/-5.9mm
η_0	1.19%	Le (1kHz)	0.47mH

Constructive Characteristics	
Magnet	: Ferrite
Basket Material	: Pressed Sheet Steel
Voice Coil Winding Material	: Copper
Voice Coil Former Material	: Fiberglass
Cone Material	: Paper
Cone Treatment	: Humidity Resistant Pulp
Surround Material	: Treated Cloth
Dust Dome Material	: Solid Paper



Frequency Response on IEC Baffle (DIN 45575) @ 1W,1m – Free Air Impedance



Note:
1 : Rated Power measured with 2 hours test with pink noise signal, 6dB crest factor, loudspeaker mounted on enclosure
2: Power on Continuous Program is defined as 3 dB greater than the Rated Power
3: Calculated by Thiele & Small parameters
4: Thiele & Small parameters measured with laser system without preconditioning test
5: Measured with respect to a THD of 10% using a parameter-based method
6: Value corresponding to a decay of the Force Factor, or Compliance, or both, equal to the 50% of the small signal value.
7: Drawing dimensions: mm
8: The notch around 400Hz on the frequency response is typical of the measurement on IEC baffle

Due to continuing product improvement, the features and the design are subject to change without notice. 01/10/15

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