



8" Ceramic Midrange

Program Power	250 W
Rated impedance	4 Ohm
Nominal diameter	8" - 200 mm
Sensitivity (1W/1m)	96 dB
Voice coil diameter	1,5 in - 38 mm
Frequency Range	80-6000 Hz

SPECIFICATIONS

Nominal Diameter	8" - 200 mm	
Rated Impedance	4 Ohm	
Nominal Power Handling ¹	120 W	
Program Power ²	250 W	
Sensitivity ³	96 dB	
Frequency Range ⁴	80-6000 Hz	
Minimum Impedance	-	
Basket Material	Steel	
Magnet Material	Ferrite	
Cone Material	Doped cellulose fiber	
Cone Shape	Exponential	
Surround	Doped fabric	
Suspension	Nomex Fabric	
Voice Coil Diameter	1,5 in - 38 mm	
Voice Coil Winding Material	Copper	
Voice Coil Length	11 mm - 0,43 in	
Voice Coil Former Material	Aluminum	
Connection type	Faston	
Ferrofluid	No	
Magnetic Gap Height	7 mm - 0,28 in	
Max. Peak to Peak Excursion	-	
Efficiency Bandwidth Product EBP	181	
Recommended Loading	Vented Box	
Volume / Tuning frequency	6 Lt (dm ³) - 0,212 cuft / 130 Hz	
Maximum recommended frequency	-	
Alternative Available Version	8 Ohm	PM200N

T/S PARAMETERS

4 Ohm

Resonance frequency	Fs	94 Hz
DC Resistance	Re	3,41 Ohm
Mechanical Q Factor	Qms	3,82
Electrical Q Factor	Qes	0,52
Total Q Factor	Qts	0,46
BI Factor	Bl	8,55 Tm
Effective Moving Mass	Mms	18,87 g
Equivalent Gas air loaded	Vas	8,8 lt (dm ³) - 0,31 cuft
Suspension Compliance	Cms	0,15 mm/N
Effective Piston Diameter	D	166 mm - 6,54 in
Effective piston area	Sd	216 cm ² - 33,48 sq in
Max. Linear Excursion ⁵	Xmax	3,8 mm - 0,15 in
Voice Coil Inductance @ 1kHz	Le	0,42 mH
Half-space Efficiency	η_0	0,36 %

NOTES

¹ Nominal power is determined according to AES2-1984 (r2003) standard.

² Program Power is defined as 3 dB greater than the Nominal rating.

³ Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.

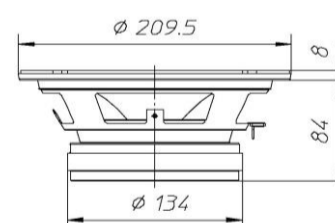
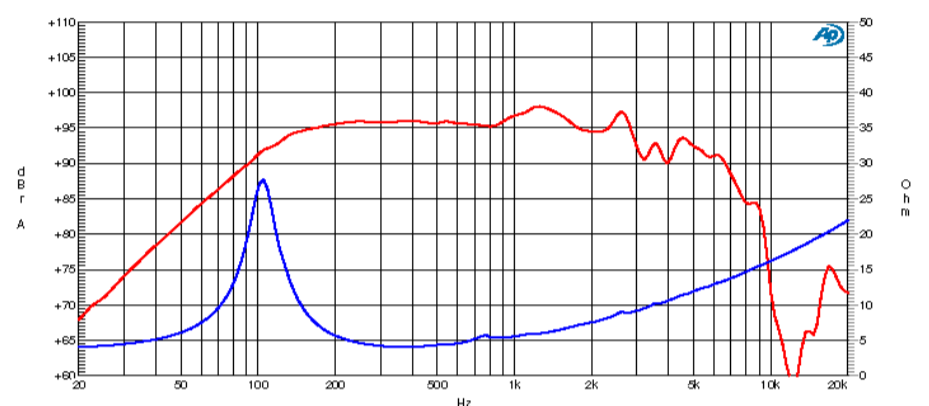
⁴ Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.

⁵ Linear Math. Xmax is calculated as $(Hvc-Hg)/2 + Hg/4$ where Hvc is the coil depth and Hg is the gapdepth.

⁶ Frequency response curve is measured on infinite baffle conditions.

⁷ Impedance curve is measured in free air conditions at small signals.

FREQUENCY RESPONSE AND IMPEDANCE CURVE ^{6 7}



MOUNTING AND SHIPPING INFORMATION

Overall Diameter	210 mm - 8,27 in
Baffle Cutout Diameter	182 mm - 7,17 in
Flange and Gasket Thickness	8 mm - 0,31 in
Total Depth	92 mm - 3,62 in
Bolt Circle Diameter	198,5 mm - 7,81 in
Bolt Holes Quantity and Diameter	4 / 5 mm - 0,2 in
Net Weight	3 Kg - 6,61 lb
Shipping Units	4 Pcs