HM500

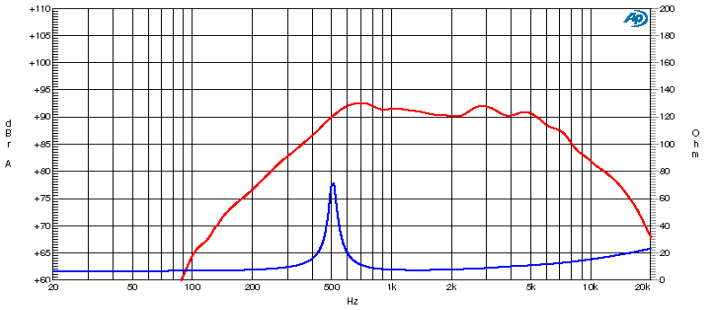
2'' Ceramic Dome Midrange

Program Power	**200 W**
Rated impedance	**8 Ohm**
Nominal diameter	**2''- 50 mm**
Sensitivity (2,83V/1m)	**91 dB**
Voice coil diameter	**2 in - 50 mm**
Frequency Range	**700-5000 Hz**

SPECIFICATIONS

Nominal Diameter	2''- 50 mm
Rated Impedance	8 Ohm
Nominal Power Handling [1]	100 W
Program Power [2]	200 W
Sensitivity [3]	91 dB
Frequency Range [4]	700-5000 Hz
Minimum Impedance	-
Gasket Material	-
Magnet Material	Ferrite
Cone Material	-
Cone Shape	Dome
Surround	-
Suspension	-
Voice Coil Diameter	2 in - 50 mm
Voice Coil Winding Material	-
Voice Coil Length	3,5 mm - 0,14 in
Voice Coil Former Material	-
Connection type	-
Ferrofluid	No
Magnetic Gap Height	3 mm - 0,12 in
Max. Peak to Peak Excursion	-
Efficiency Bandwidth Product EBP	688
Recommended Loading	-
Volume / Tuning frequency	-
Maximum recommended frequency	-

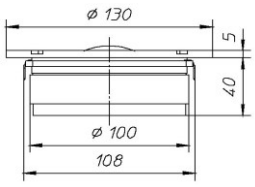
FREQUENCY RESPONSE AND IMPEDANCE CURVE [6] [7]



T/S PARAMETERS

8 Ohm

Resonance frequency	Fs	550 Hz
DC Resistance	Re	6,5 Ohm
Mechanical Q Factor	Qms	3,8
Electrical Q Factor	Qes	0,8
Total Q Factor	Qts	0,66
Bl Factor	Bl	7,5 Tm
Effective Moving Mass	Mms	2 g
Equivalent Cas air loaded	Vas	- -
Suspension Compliance	Cms	-
Effective Piston Diameter	D	58 mm - 2,28 in
Effective piston area	Sd	26 cm² - 4,03 sq in
Max. Linear Excursion [5]	Xmax	0,5 mm - 0,02 in
Voice Coil Inductance @ 1kHz	Le	0,2 mH
Half-space Efficency	ŋ0	-



MOUNTING AND SHIPPING INFORMATION

Overall Diameter	130 mm - 5,12 in
Baffle Cutout Diameter	103 mm - 4,06 in
Flange and Gasket Thickness	5 mm - 0,2 in
Total Depth	45 mm - 1,77 in
Bolt Circle Diameter	116 mm - 4,57 in
Bolt Holes Quantity and Diameter	4 / 5 mm - 0,2 in
Net Weight	1,5 Kg - 3,3 lb
Shipping Units	6 Pcs

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.