



## 4" Ceramic Extended Range

Program Power	80 W
Rated impedance	8 Ohm
Nominal diameter	4" - 100 mm
Sensitivity (2,83V/1m)	89 dB
Voice coil diameter	1 in - 25 mm
Frequency Range	70-18000 Hz

### SPECIFICATIONS

Nominal Diameter	4" - 100 mm
Rated Impedance	8 Ohm
Nominal Power Handling <sup>1</sup>	40 W
Program Power <sup>2</sup>	80 W
Sensitivity <sup>3</sup>	89 dB
Frequency Range <sup>4</sup>	70-18000 Hz
Minimum Impedance	-
Gasket Material	Steel
Magnet Material	Ferrite
Cone Material	Cellulose
Cone Shape	-
Surround	Rubber
Suspension	-
Voice Coil Diameter	1 in - 25 mm
Voice Coil Winding Material	-
Voice Coil Length	7,5 mm - 2,95 in
Voice Coil Former Material	Kapton
Connection type	Faston
Ferrofluid	No
Magnetic Gap Height	5 mm - 0,2 in
Max. Peak to Peak Excursion Xvar	-
Efficiency Bandwidth Product EBP	143
Recommended Loading	Sealed box
Volume / Tuning frequency	6 Lt (dm <sup>3</sup> ) - 0,212 cuft
Maximum recommended frequency	-

### T/S PARAMETERS

8 Ohm

Resonance frequency	Fs	100 Hz
DC Resistance	Re	5,5 Ohm
Mechanical Q Factor	Qms	3,84
Electrical Q Factor	Qes	0,7
Total Q Factor	Qts	0,59
BI Factor	BI	4,39 Tm
Effective Moving Mass	Mms	3,93 g
Equivalent Cas air loaded	Vas	2,5 lt (dm <sup>3</sup> ) - 0,088 cuft
Suspension Compliance	Cms	0,68 mm/N
Effective Piston Diameter	D	81 mm - 3,189 in
Effective piston area	Sd	52 cm <sup>2</sup> - 8,06 sq.in
Max. Linear Excursion <sup>5</sup>	Xmax	2,5 mm - 0,1 in
Voice Coil Inductance @ 1kHz	Le	0,14 mH
Half-space Efficiency	η0	0,32 %

### NOTES

<sup>1</sup> Nominal power is determined according to AES2-1984 (r2003) standard.

<sup>2</sup> Program Power is defined as 3 dB greater than the Nominal rating.

<sup>3</sup> 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.

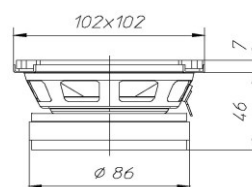
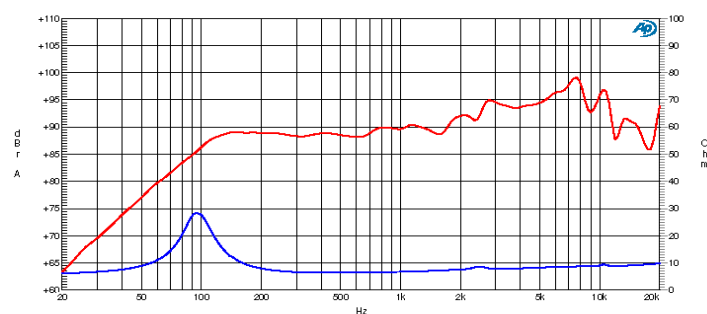
<sup>4</sup> Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.

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

<sup>6</sup> Frequency response curve is measured on infinite baffle conditions.

<sup>7</sup> Impedance curve is measured in free air conditions at small signals.

### FREQUENCY RESPONSE AND IMPEDANCE CURVE <sup>6 7</sup>



### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	102x102 mm - -
Baffle Cutout Diameter	91 mm - 3,58 in
Flange and Gasket Thickness	7 mm - 0,28 in
Total Depth	53 mm - 2,087 in
Bolt Circle Diameter	116 mm - 4,57 in
Bolt Holes Quantity and Diameter	4 / 5,5 mm - 0,22 in
Net Weight	0,84 Kg - 1,85 lb
Shipping Units	12 Pcs