



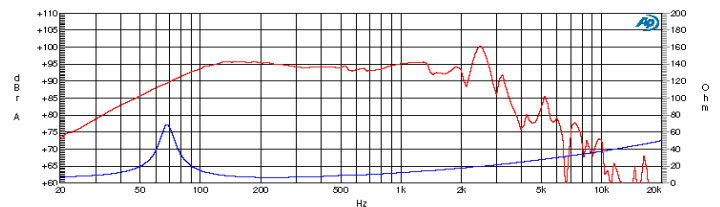
## 10" Ceramic Woofer

<b>Program Power</b>	<b>800 W</b>
<b>Rated impedance</b>	<b>8 Ohm</b>
<b>Nominal diameter</b>	<b>10"- 250 mm</b>
<b>Sensitivity (2,83V/1m)</b>	<b>96 dB</b>
<b>Voice coil diameter</b>	<b>3 in - 75 mm</b>
<b>Frequency Range</b>	<b>50-3000 Hz</b>

### SPECIFICATIONS

Nominal Diameter	10"- 250 mm
Rated Impedance	8 Ohm
Nominal Power Handling <sup>1</sup>	400 W
Program Power <sup>2</sup>	800 W
Sensitivity <sup>3</sup>	96 dB
Frequency Range <sup>4</sup>	50-3000 Hz
Minimum Impedance	-
Gasket Material	Aluminum
Magnet Material	Ferrite
Cone Material	-
Cone Shape	-
Surround	Nomex Fabric
Suspension	-
Voice Coil Diameter	3 in - 75 mm
Voice Coil Winding Material	-
Voice Coil Length	16 mm - 0,63 in
Voice Coil Former Material	Aluminum
Connection type	-
Ferrofluid	No
Magnetic Gap Height	10 mm - 0,39 in
Max. Peak to Peak Excursion	-
Efficiency Bandwidth Product EBP	173
Recommended Loading	Vented Box
Volume / Tuning frequency	14 Lt (dm <sup>3</sup> ) - 0,494 cuft / 78 Hz
Maximum recommended frequency	-

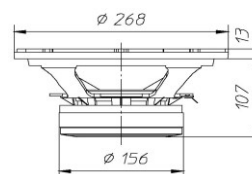
### FREQUENCY RESPONSE AND IMPEDANCE CURVE <sup>6 7</sup>



### T/S PARAMETERS

8 Ohm

Resonance frequency	Fs	57 Hz
DC Resistance	Re	5,21 Ohm
Mechanical Q Factor	Qms	3,2
Electrical Q Factor	Qes	0,33
Total Q Factor	Qts	0,3
BI Factor	BI	15,86 Tm
Effective Moving Mass	Mms	44,9 g
Equivalent Cas air loaded	Vas	31 lt (dm <sup>3</sup> ) - 1,09 cuft
Suspension Compliance	Cms	0,17 mm/N
Effective Piston Diameter	D	212 mm - 8,35 in
Effective piston area	Sd	353 cm <sup>2</sup> - 54,72 sq in
Max. Linear Excursion <sup>5</sup>	Xmax	3,5 mm - 0,14 in
Voice Coil Inductance @ 1kHz	Le	0,94 mH
Half-space Efficiency	η0	1,65 %



### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	268 mm - 10,55 in
Baffle Cutout Diameter	235 mm - 9,25 in
Flange and Gasket Thickness	13 mm - 0,51 in
Total Depth	120 mm - 4,72 in
Bolt Circle Diameter	253 mm - 9,96 in
Bolt Holes Quantity and Diameter	8 / 5 mm - 0,2 in
Net Weight	5 Kg - 11,01 lb
Shipping Units	2 Pcs

### 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.