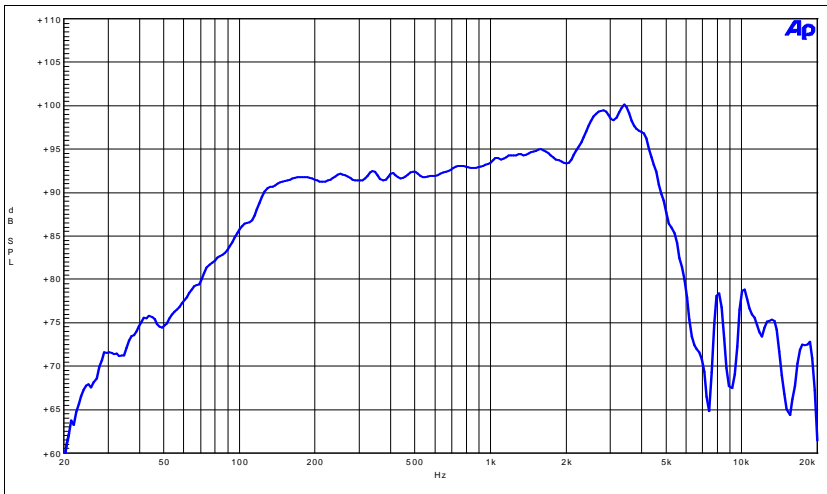




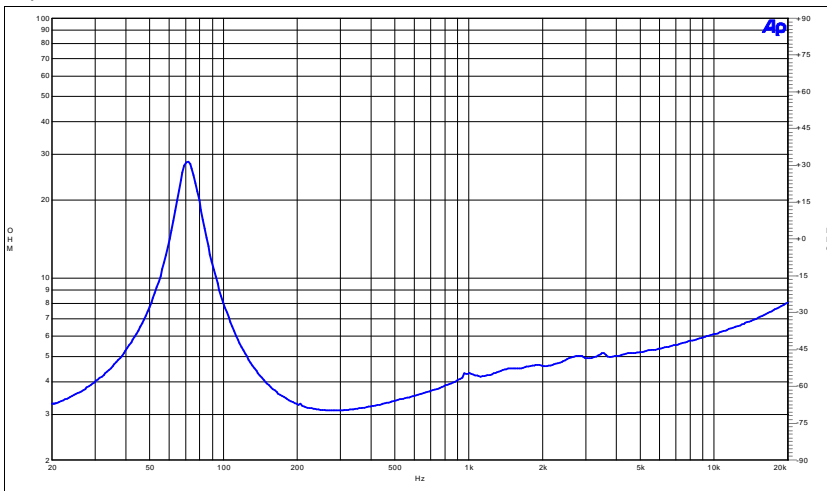
# 8CL51-4

Rev: 0

Frequency Response



Impedance



## Specifications

Nominal Diameter	<b>8"</b>
Nominal Impedance	<b>4 Ω</b>
Minimum Impedance	<b>3,1 Ω</b>
Power Handling	
Nominal <sup>1</sup>	<b>200 W</b>
Continuous Program <sup>2</sup>	<b>400 W</b>
Sensitivity (1W/1m) <sup>3</sup>	<b>94 dB</b>
Frequency Range	<b>Fs to 5000 Hz</b>
Voice Coil Diameter	<b>51,00 mm</b>
Winding Material	<b>Copper</b>
Former Material	<b>Fiber Glass</b>
Winding Depth	<b>16,50 mm</b>
Magnetic Gap Depth	<b>8 mm</b>
Flux Density	<b>1,150 T</b>
Surround Material	<b>PolyCotton</b>
Surround Shape	<b>Double Roll</b>
Spider Material	<b>PolyCotton</b>
Magnet Material	<b>Neodimium</b>
Cone Material	<b>Paper</b>
Water Proof Front Side (WP)	<input checked="" type="checkbox"/>
Water Proof Both Sides (TWP)	<input type="checkbox"/>
Epoxy Treatment	<input type="checkbox"/>
Demodulation Ring	<input type="checkbox"/>
Shorting Copper Ring	<input checked="" type="checkbox"/>
Double Spider	<input type="checkbox"/>
Vented Gap	<input type="checkbox"/>

19/03/2010

## Thiele & Small Parameters<sup>4</sup>

Fs	<b>72 Hz</b>
Re	<b>2,6 Ω</b>
Qes	<b>0,51</b>
Qms	<b>6,13</b>
Qts	<b>0,47</b>
Vas	<b>12,4 dm<sup>3</sup></b>
Sd	<b>220 cm<sup>2</sup></b>
η <sub>0</sub>	<b>0,87 %</b>
Xmax	<b>6,5 mm</b>
Xvar	<b>6,50 mm</b>
Mms	<b>26,8 g</b>
Bl	<b>7,80 Txm</b>
Le	<b>0,21 mH</b>
Cms	<b>183,0 μm/N</b>

## Mounting Information

Overall Diameter	<b>209 mm ( 8,3 in )</b>
Bolt Circle Diameter	<b>199 mm ( 7,83 in )</b>
Baffle Cutout Diameter	<b>186 mm ( 7,32 in )</b>
Depth	<b>96 mm ( 3,78 in )</b>
Flange / Gasket Thickness	<b>9 mm ( 0,35 in )</b>
Net Weight	<b>1,25 Kg ( 2,85 lb )</b>

(1) A.E.S. Standard

(2) Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

(3) Applied RMS Voltage is set to 2V for 4 ohms Nominal Impedance. Average SPL from 100 to 1000 Hz

(4) Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.