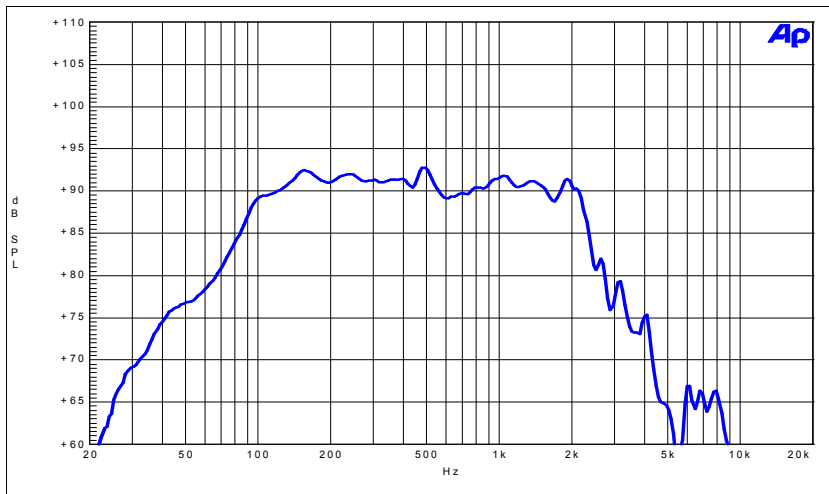




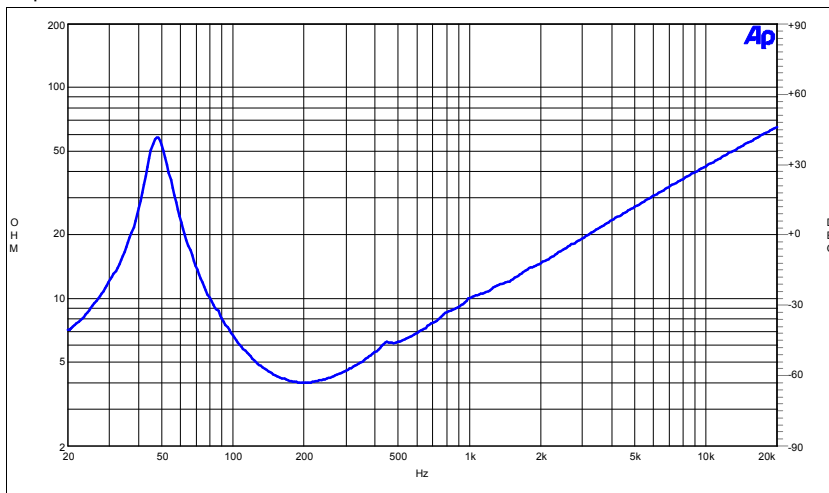
# 12PS100-4

Rev: 1

Frequency Response



Impedance



## Specifications

Nominal Diameter	<b>12"</b>
Nominal Impedance	<b>4 Ω</b>
Minimum Impedance	<b>4 Ω</b>
Power Handling	
Nominal <sup>1</sup>	<b>700 W</b>
Continuous Program <sup>2</sup>	<b>1.400 W</b>
Sensitivity (1W/1m) <sup>3</sup>	<b>93 dB</b>
Frequency Range	<b>Fs to 1000 Hz</b>
Voice Coil Diameter	<b>100,00 mm</b>
Winding Material	<b>Copper</b>
Former Material	<b>Fiber Glass</b>
Winding Depth	<b>16,0 mm</b>
Magnetic Gap Dept	<b>10,5 mm</b>
Flux Density	<b>T</b>
Surround Material	<b>PolyCotton</b>
Surround Shape	<b>Double Roll</b>
Spider Material	<b>Cotton</b>
Magnet Material	<b>Ceramic</b>
Cone Material	<b>Paper</b>
Water Proof Front Side (WP)	<input type="checkbox"/>
Water Proof Both Sides (TWP)	<input checked="" type="checkbox"/>
Epoxy Treatment	<input type="checkbox"/>
Demodulation Ring	<input type="checkbox"/>
Shorting Copper Ring	<input type="checkbox"/>
Double Spider	<input checked="" type="checkbox"/>
Vented Gap	<input type="checkbox"/>

15/09/2006

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

Fs	<b>49 Hz</b>
Re	<b>3,2 Ω</b>
Qes	<b>0,31</b>
Qms	<b>6,22</b>
Qts	<b>0,29</b>
Vas	<b>39,5 dm<sup>3</sup></b>
Sd	<b>531 cm<sup>2</sup></b>
η <sub>0</sub>	<b>1,49 %</b>
Xmax	<b>5,5 mm</b>
Xvar	<b>8,0 mm</b>
Mms	<b>103,8 g</b>
Bl	<b>18,19 Txm</b>
Le	<b>1,33 mH</b>
Cms	<b>99,8 μm/N</b>

## Mounting Information

Overall Diameter	<b>319 mm ( 12,5 in )</b>
Bolt Circle Diameter	<b>299 mm ( 11,8 in )</b>
Baffle Cutout Diameter	<b>282 mm ( 11,1 in )</b>
Depth	<b>120 mm (4.7 in)</b>
Flange / Gasket Thickness	<b>16,0 mm ( 5/8 in )</b>
Net Weight	<b>8.8 kg (19.4 lb)</b>

(1)

(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.