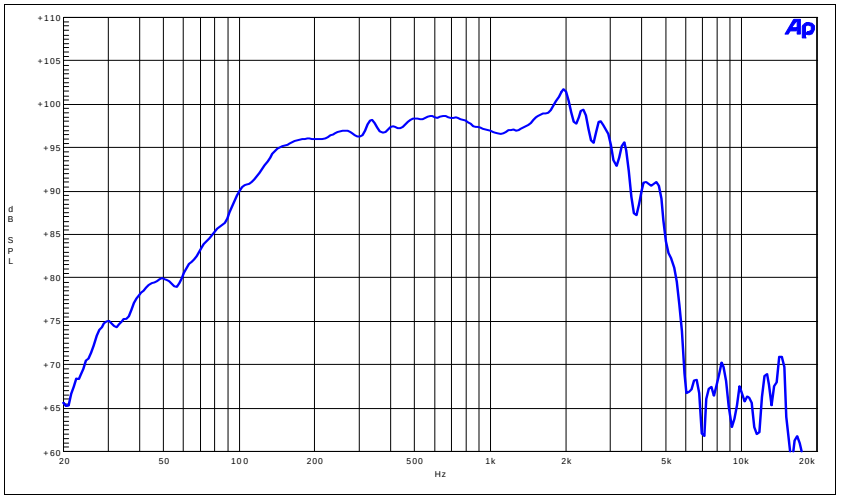
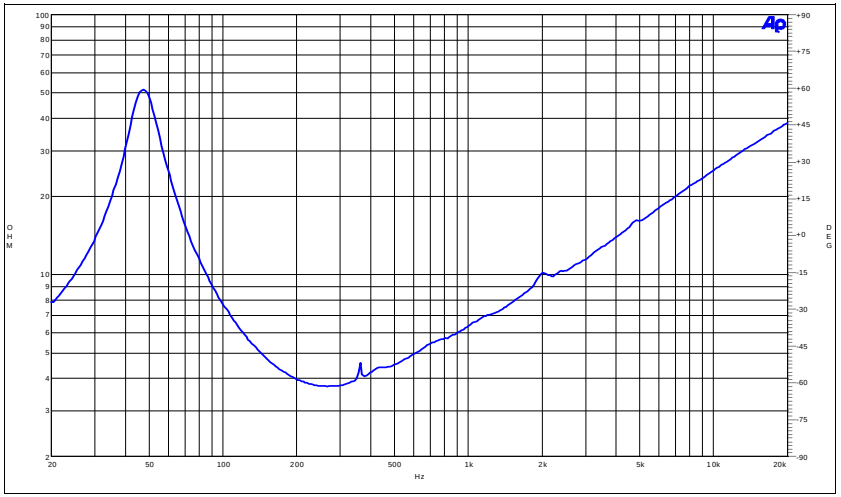
12CL64-4

Rev: 0

Frequency Response



Impedance



Specifications

Nominal Diameter	**12"**
Nominal Impedance	**4 Ω**
Minimum Impedance	**3,7 Ω**
Power Handling	
Nominal[1]	**250 W**
Continuous Program [2]	**500 W**
Sensitivity (1W/1m)[3]	**98 dB**
Frequency Range	**Fs to 3000 Hz**
Voice Coil Diameter	**64,00 mm**
Winding Material	**Copper**
Former Material	**Fiber Glass**
Winding Depth	**13,10 mm**
Magnetic Gap Depth	**8 mm**
Flux Density	**1,150 T**
Surround Material	**PolyCotton**
Surround Shape	**Double Roll**
Spider Material	**PolyCotton**
Magnet Material	**Neodimium**
Cone Material	**Paper**
Water Proof Front Side (WP)	☑
Water Proof Both Sides (TWP)	☐
Epoxy Treatment	☐
Demodulation Ring	☐
Shorting Copper Ring	☐
Double Spider	☐
Vented Gap	☐

23/02/2010

Thiele & Small Parameters [4]

Fs	**49 Hz**
Re	**3,1 Ω**
Qes	**0,27**
Qms	**4,24**
Qts	**0,25**
Vas	**67,3 dm^3**
Sd	**522 cm^2**
η_0	**2,86 %**
Xmax	**4,0 mm**
Xvar	**5,00 mm**
Mms	**60,3 g**
Bl	**14,83 Txm**
Le	**0,76 mH**
Cms	**175,9 µm/N**

Mounting Information

Overal Diameter	**311 mm (12,25 in)**
Bolt Circle Diameter	**296 mm (11,65 in)**
Baffle Cutout Diameter	**281 mm (11,0 in)**
Depth	**135 mm (5,3 in)**
Flange / Gasket Thickness	**9,5 mm (0,4 in)**
Net Weight	**1,9 Kg (4,3 lb)**

(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 500 Hz

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