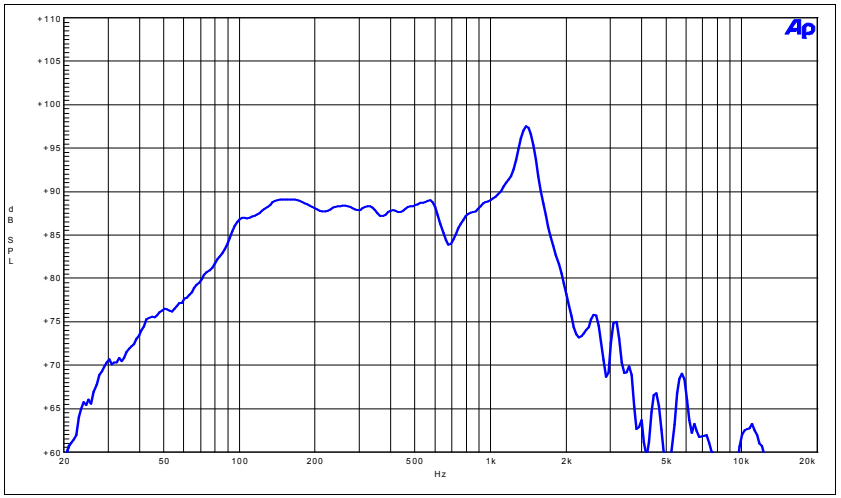
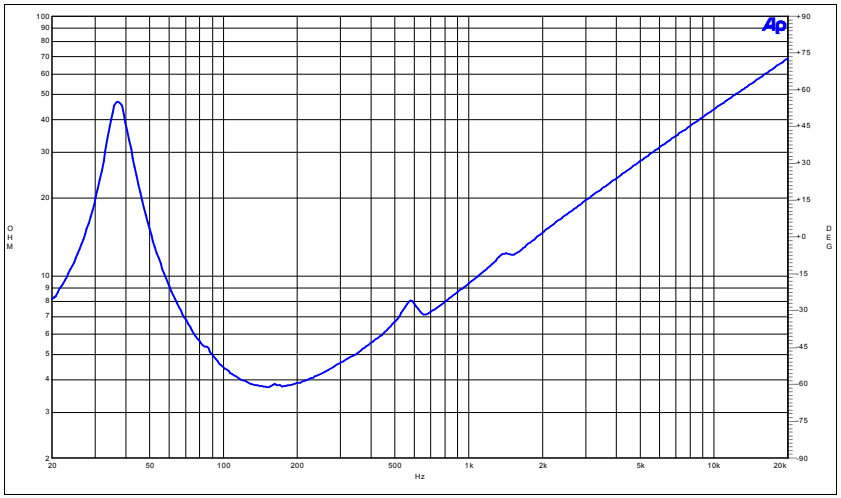
12BG100-4

Rev: 0

Frequency Response



Impedance



Specifications

Nominal Diameter	**12"**
Nominal Impedance	**4 Ω**
Minimum Impedance	**3,8 Ω**
Power Handling	
Nominal[1]	**1.000 W**
Continuous Program [2]	**2.000 W**
Sensitivity (1W/1m)[3]	**92 dB**
Frequency Range	**Fs to 1000 Hz**
Voice Coil Diameter	**100,00 mm**
Winding Material	**Copper**
Former Material	**Fiber Glass**
Winding Depth	**26,50 mm**
Magnetic Gap Depth	**11 mm**
Flux Density	**1,150 T**
Surround Material	**Rubber**
Surround Shape	**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	☑

15/06/2010

Thiele & Small Parameters [4]

Fs	**38 Hz**
Re	**3,1 Ω**
Qes	**0,36**
Qms	**5,65**
Qts	**0,34**
Vas	**41,2 dm^3**
Sd	**522 cm^2**
η_0	**0,60 %**
Xmax	**11,0 mm**
Xvar	**14,00 mm**
Mms	**164,3 g**
Bl	**18,38 Txm**
Le	**1,08 mH**
Cms	**107,7 µm/N**

Mounting Information

Overal Diameter	**319 mm (12,5 in)**
Bolt Circle Diameter	**299 mm (11,8 in)**
Baffle Cutout Diameter	**282 mm (11,1 in)**
Depth	**150 mm (6,0 in)**
Flange / Gasket Thickness	**16,0 mm (5/8 in)**
Net Weight	**9,3Kg (21,1)**

(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.