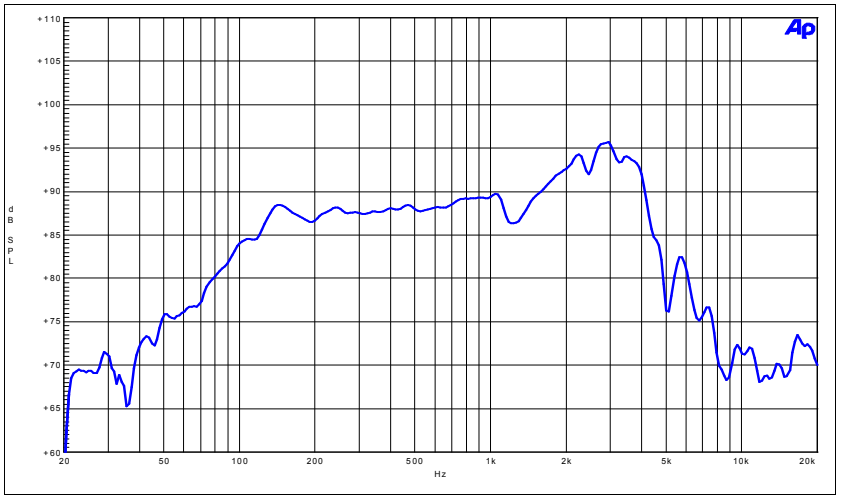
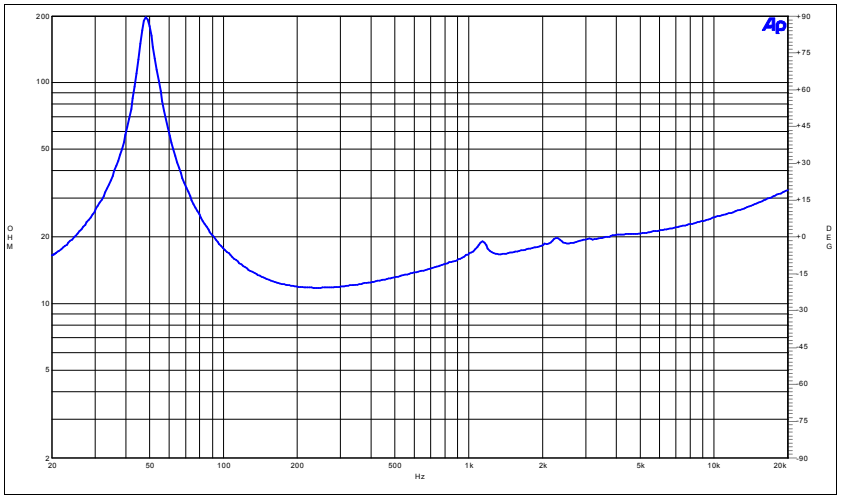
8BG51-16

Rev: 0

Frequency Response



Impedance



Specifications

Nominal Diameter	**8"**
Nominal Impedance	**16 Ω**
Minimum Impedance	**12 Ω**
Power Handling	
Nominal[1]	**250 W**
Continuous Program [2]	**500 W**
Sensitivity (1W/1m)[3]	**92 dB**
Frequency Range	**Fs to 4000 Hz**
Voice Coil Diameter	**51,00 mm**
Winding Material	**Copper**
Former Material	**Fiber Glass**
Winding Depth	**16,50 mm**
Magnetic Gap Depth	**8 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	☐

30/08/2012

Thiele & Small Parameters [4]

Fs	**49 Hz**
Re	**10,3 Ω**
Qes	**0,43**
Qms	**9,10**
Qts	**0,41**
Vas	**22,1 dm^3**
Sd	**220 cm^2**
η_0	**0,57 %**
Xmax	**6,5 mm**
Xvar	**8,00 mm**
Mms	**32,5 g**
Bl	**15,42 Txm**
Le	**0,85 mH**
Cms	**324,7 µm/N**

Mounting Information

Overal Diameter	**225 mm (8,8 in)**
Bolt Circle Diameter	**210 mm (8,3 in)**
Baffle Cutout Diameter	**187 mm (7,4 in)**
Depth	**90 mm (3.5 in)**
Flange / Gasket Thickness	**9,5 mm (3/8 in)**
Net Weight	**1.8 Kg (4 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 4V for 1 ohms Nominal Impedance. Average SPL from 200 to 2000 Hz

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