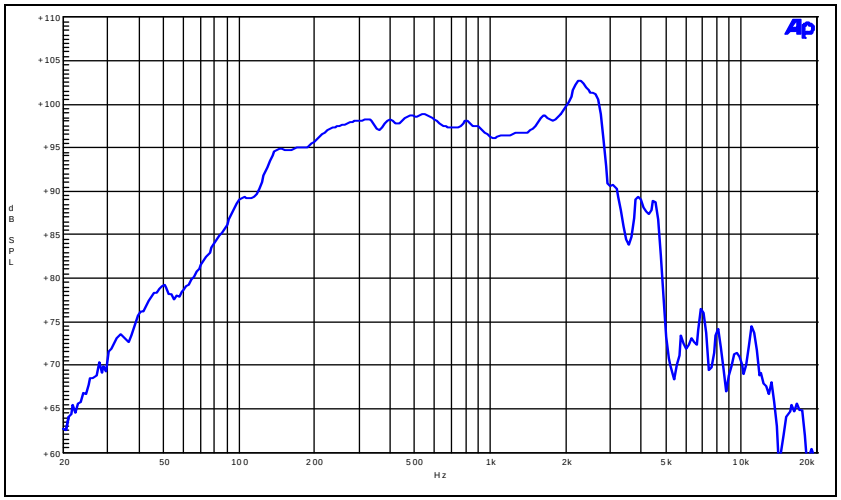
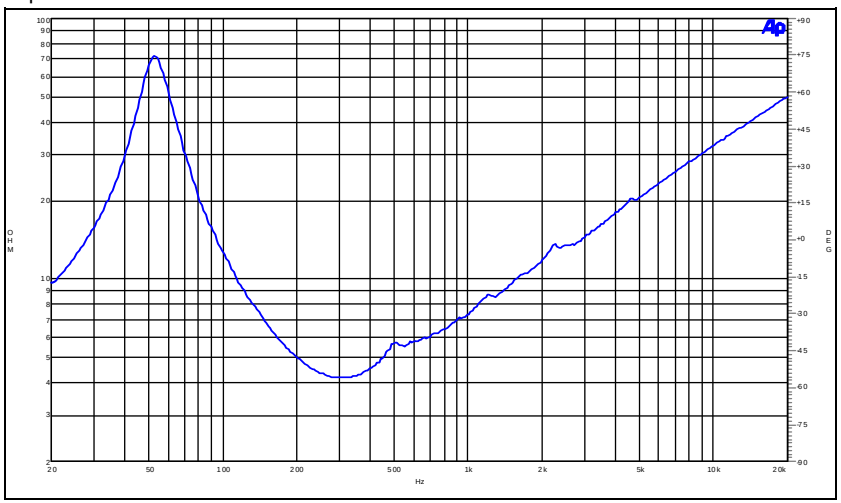
12FW76-4

Rev: 0

Frequency Response



Impedance



Specifications

Nominal Diameter	**12"**
Nominal Impedance	**4 Ω**
Minimum Impedance	**4,2 Ω**
Power Handling	
Nominal [1]	**500 W**
Continuous Program [2]	**1.000 W**
Sensitivity (1W/1m) [3]	**99 dB**
Frequency Range	**Fs to 3000 Hz**
Voice Coil Diameter	**76,00 mm**
Winding Material	**Copper**
Former Material	**Fiber Glass**
Winding Depth	**19,00 mm**
Magnetic Gap Depth	**11 mm**
Flux Density	**1,300 T**
Surround Material	**PolyCotton**
Surround Shape	**Triple Roll**
Spider Material	**PolyCotton**
Magnet Material	**Ceramic**
Cone Material	**Paper**
Water Proof Front Side (WP)	☑
Water Proof Both Sides (TWP)	☐
Epoxy Treatment	☐
Demodulation Ring	☑
Shorting Copper Ring	☐
Double Spider	☐
Vented Gap	☐

11/01/2012

Thiele & Small Parameters [4]

Fs	**54 Hz**
Re	**3,1 Ω**
Qes	**0,17**
Qms	**4,19**
Qts	**0,17**
Vas	**48,5 dm^3**
Sd	**522 cm^2**
η_0	**4,15 %**
Xmax	**7,0 mm**
Xvar	**8,50 mm**
Mms	**69,4 g**
Bl	**20,38 Txm**
Le	**1,01 mH**
Cms	**126,7 µm/N**

Mounting Information

Overal Diameter	**315 mm (12.5 in)**
Bolt Circle Diameter	**298 mm (11.7 in)**
Baffle Cutout Diameter	**282 mm (11.1 in)**
Depth	**145 mm (5,7 in)**
Flange / Gasket Thickness	**13 mm (0.51 in)**
Net Weight	**8,5 Kg (19,3 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 200 to 2000 Hz

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