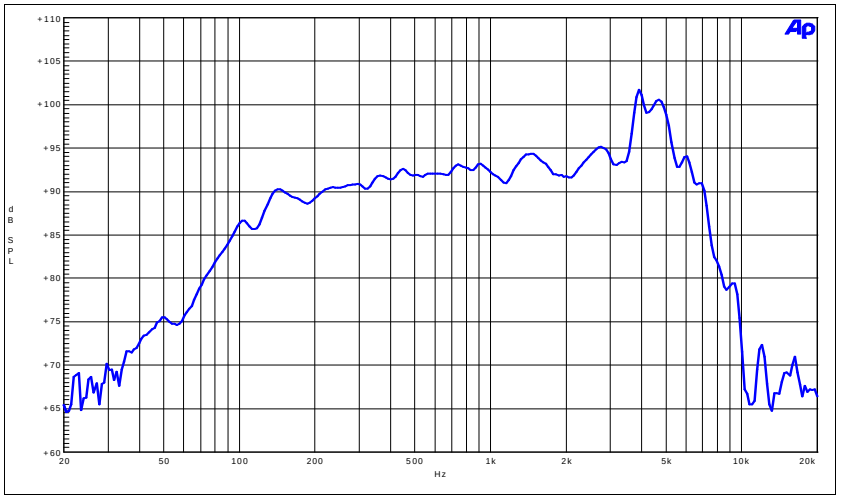
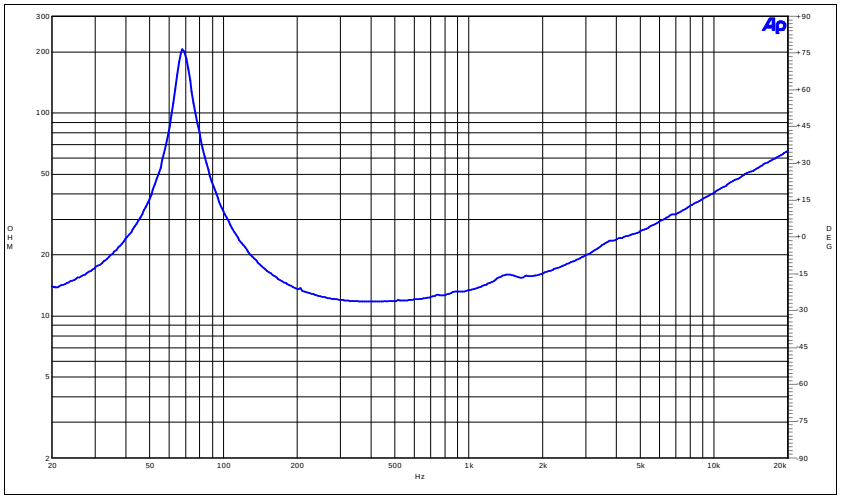
6PS38-16

Rev: 0

Frequency Response



Impedance



Specifications

Nominal Diameter	**6"**
Nominal Impedance	**16 Ω**
Minimum Impedance	**12.3 Ω**
Power Handling	
Nominal[1]	**150 W**
Continuous Program [2]	**300 W**
Sensitivity (1W/1m)[3]	**92 dB**
Frequency Range	**Fs to 6000 Hz**
Voice Coil Diameter	**38,00 mm**
Winding Material	**Copper**
Former Material	**Kapton**
Winding Depth	**10,50 mm**
Magnetic Gap Depth	**6 mm**
Flux Density	**1.2 T**
Surround Material	**Rubber**
Surround Shape	**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	☐

11/05/2005

Thiele & Small Parameters [4]

Fs	**70 Hz**
Re	**11,0 Ω**
Qes	**0,46**
Qms	**9,20**
Qts	**0,44**
Vas	**8,5 dm^3**
Sd	**132 cm^2**
η_0	**0,58 %**
Xmax	**4,0 mm**
Xvar	**5,50 mm**
Mms	**15,4 g**
Bl	**12,50 Txm**
Le	**0,99 mH**
Cms	**347,0 µm/N**

Mounting Information

Overal Diameter	**187mm (7,4in)**
Bolt Circle Diameter	**172mm (6,7in)**
Baffle Cutout Diameter	**145mm (5,7in)**
Depth	**82 (3.2 in)**
Flange / Gasket Thickness	**11mm (0,4in)**
Net Weight	**2.2 Kg (4.9 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 16 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.