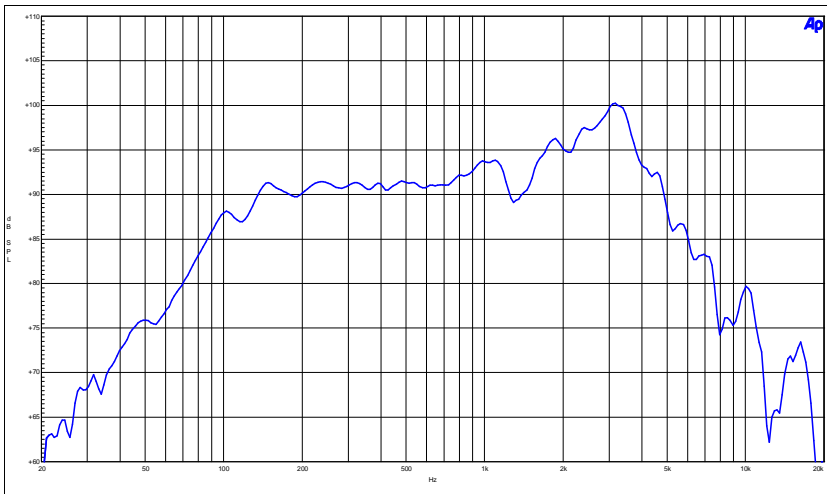




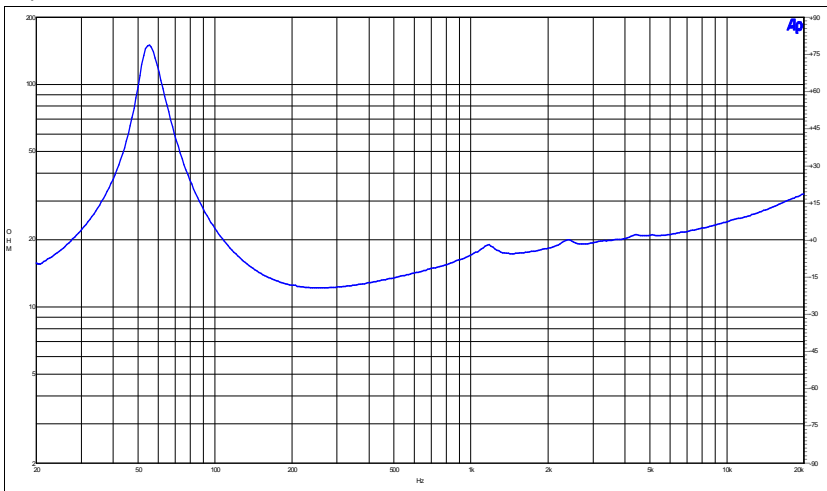
# 8FG51-16

Rev: 0

Frequency Response



Impedance



## Specifications

Nominal Diameter	8"
Nominal Impedance	16 Ω
Minimum Impedance	12,2 Ω
Power Handling	
Nominal <sup>1</sup>	250 W
Continuous Program <sup>2</sup>	500 W
Sensitivity (1W/1m) <sup>3</sup>	93 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	Ceramic
Cone Material	Paper
Water Proof Front Side (WP)	<input checked="" type="checkbox"/>
Water Proof Both Sides (TWP)	<input type="checkbox"/>
Epoxy Treatment	<input type="checkbox"/>
Demodulation Ring	<input type="checkbox"/>
Shorting Copper Ring	<input checked="" type="checkbox"/>
Double Spider	<input type="checkbox"/>
Vented Gap	<input type="checkbox"/>

11/04/2016

## Thiele & Small Parameters<sup>4</sup>

Fs	59 Hz
Re	9,9 Ω
Qes	0,42
Qms	7,38
Qts	0,39
Vas	15,7 dm <sup>3</sup>
Sd	220 cm <sup>2</sup>
η <sub>0</sub>	0,74 %
Xmax	6,5 mm
Xvar	8,00 mm
Mms	31,6 g
Bl	16,70 Txm
Le	0,83 mH
Cms	230,5 μm/N

## Mounting Information

Overall Diameter	225 mm ( 8,8 in )
Bolt Circle Diameter	210 mm ( 8,3 in )
Baffle Cutout Diameter	187 mm ( 7,4 in )
Depth	89 mm ( 3,5 in )
Flange / Gasket Thickness	9,5 mm ( 3/8 in )
Net Weight	3,5 Kg ( 7,7 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 100 to 1000 Hz

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