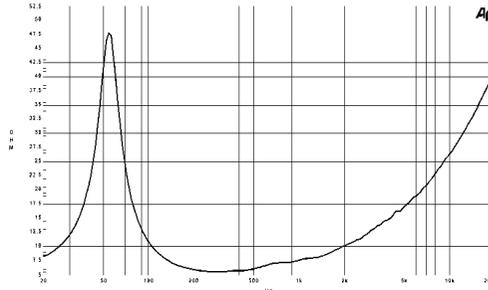
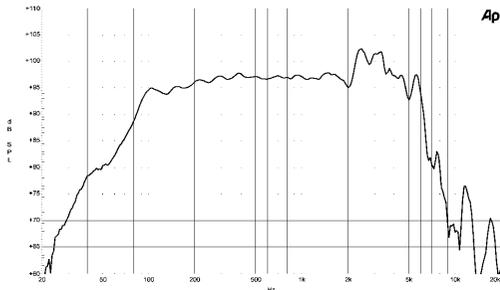




10 HPL 51 | Woofer

High efficiency 10" woofer using a FEA computer designed high energy Neodymium magnet assembly, extremely lightweight (only 1.9 kg). The aluminium basket is designed to effectively dissipate heat during demanding use at full power, reducing power compression. Recommended for compact two-way systems where power is limited to 300W.



Horns
HF Compression drivers
Coaxials
HPL
Speakers

Specifications

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 Ω
Minimum Impedance	5.5 Ω
Power Handling (50 - 500 Hz)	
Nominal ¹	150 W
Continuous Program ²	300 W
Sensitivity (1W/1m) ³	97.5 dB
Frequency Range	55 - 4000 Hz
Voice Coil Diameter	51 mm (2 in)
Winding Material	Aluminium
Former Material	Kapton
Winding Depth	13.5 mm (17/32 in)
Magnetic Gap Depth	8 mm (5/16 in)
Flux Density	1.1 T
<i>Also available in 4 Ω, data upon request</i>	

Thiele & Small Parameters⁴

Fs	55 Hz
Re	5 Ω
Qes	0.41
Qms	3.5
Qts	0.36
Vas	50 dm ³ (1.8 ft ³)
Sd	320 cm ² (50 in ²)
η_0	2.1%
X max	± 4 mm
X Var	± 4.5 mm
Mms	24 g
Bl	10.2 T·m
Le	0.9 mH

Mounting and Shipping Information

Overall Diameter	261 mm (10.3 in)
Bolt Circle Diameter	245 mm (9.6 in)
Baffle Cutout Diameter	230 mm (9 in)
Depth	124 mm (4.9 in)
Flange and Gasket Thickness	12.5 mm (1/2 in)
Net Weight	1.9 kg (4.2 lb)
Shipping Weight	2.4 kg (5.3 lb)
Shipping Box	270x270x150 mm (11.2x11.2x5.9 in)

¹ 2 hours test made with continuous pink noise signal (6 dB crest factor) within the specified frequency range. Power calculated on rated minimum impedance. Loudspeaker mounted in 35 liters (1.25 cu. ft³) bass-reflex box, tuned at 65 Hz.
² Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
³ Applied RMS Voltage is set to 2.83V for 8 ohms Nominal Impedance. Average SPL from 200 to 4000 Hz.
⁴ Thiele-Small parameters are measured after a high level 20 Hz sine wave pre-conditioning test.

