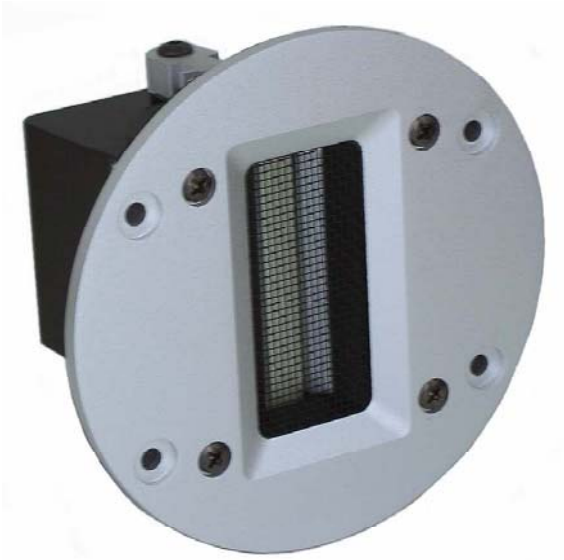
Audaphon Neo CD 3.0

a produkt from www.audaphon.de



Small ribbon tweeter for medium
and small high-end applications.

The Neo CD 3.0 is a small ribbon tweeter that may be used from 2000 Hz onwards and is suitable for small and slim floorstanding or shelf speakers.

The main features are:
- a remarkably linear frequency response,
- small size and
- an excellent price / performance ratio.

Review by journal Hobby HiFi 6/2005:
"Linearity of frequency response, omnidirection and excursion show the same perfection as the JP 3.0"

Advanced composite material ribbon diaphragm, which provide high power handling and guarantees a high degree of signal fidelity and broad frequency response. It contains a super strong Neodymium magnet for high efficiency and a build-in impedance conversion transformer.

Technical Data Audaphon Neo CD 3.0

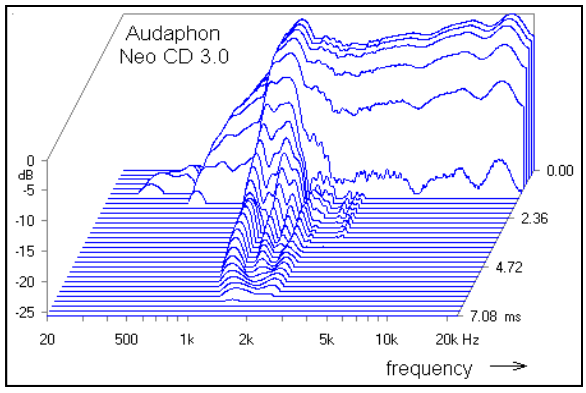
Ribbon material:	ACM*
Ribbon mass:	Aluminium
Ribbon mass:	18 mg
Ribbon dimension	60 x 8 mm
Ribbon thickness	0.02 mm
Ribbon area (Sd):	480 mm2
Gap height:	3 mm
Impedance:	7 Ohm
DC resistance Rdc:	0.02 Ohm
Frequency response:	1400 - 40 000 Hz
Sensivity (1 kHz):	90 dB (2,83V, 1m)
Resonance frequency:	400 Hz
Power Handling:	17/40 W
Recommended crossover:	2,5 kHz / 12 dB

Dimensions

overall diameter (HxW):	110 mm, rund
mounting diameter (HxW):	87/67 x 60 mm
ıounting depth (not countersunk):	68 mm
thickness of alu frontplate:	4,5 mm

*) ACM stands for Advanced Composite Material

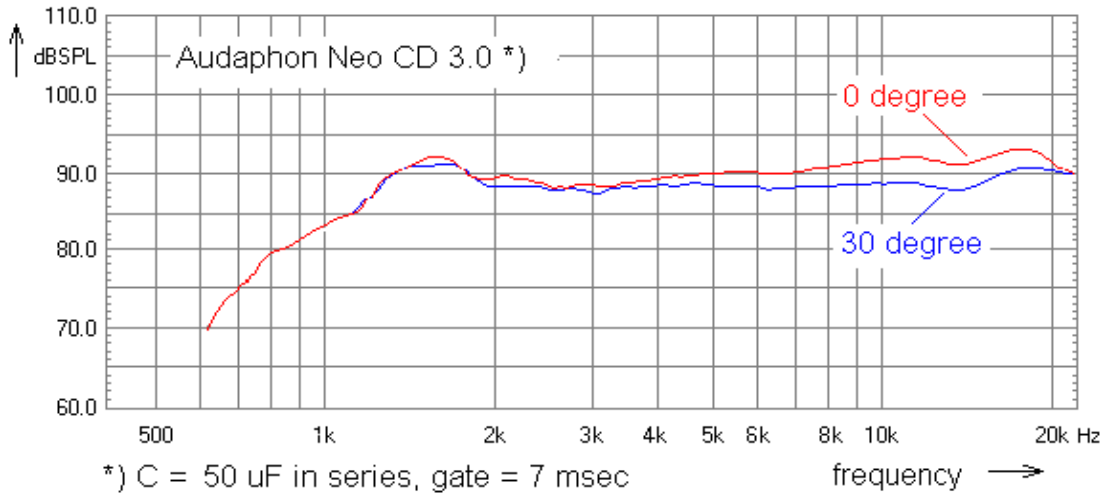
Waterfall spectrum



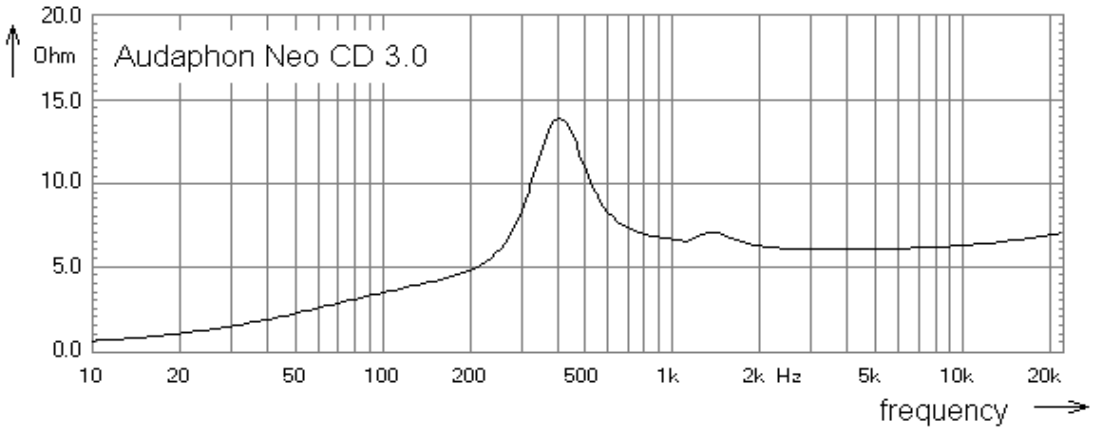
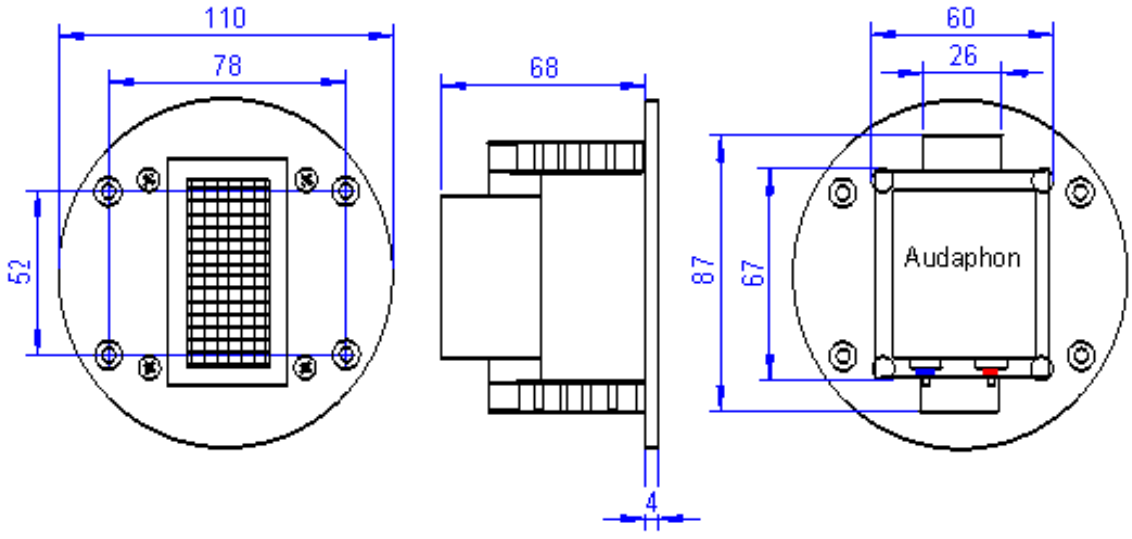
The CD 3.0 displays a magnificent excursion. There is a small resonance at 1230 and 1670 Hz, this is, however, below the crossover frequency when the configured correctly.

Important note
This ribbon is designed for a wide frequency range and, therefore, displays an extreme excursion at lower frequencies. To avoid destruction a crossover is absolutely mandatory.

Frequency measurement of Neo CD 3.0 (with 50 uF capacitor in series):



Impedance of Neo CD 3.0:



Dimensions of the CD 3.0: