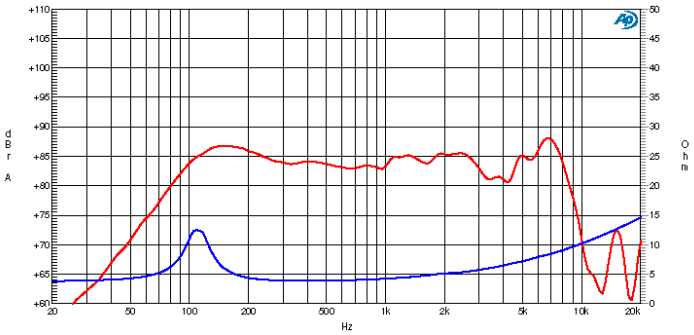
CW100Z



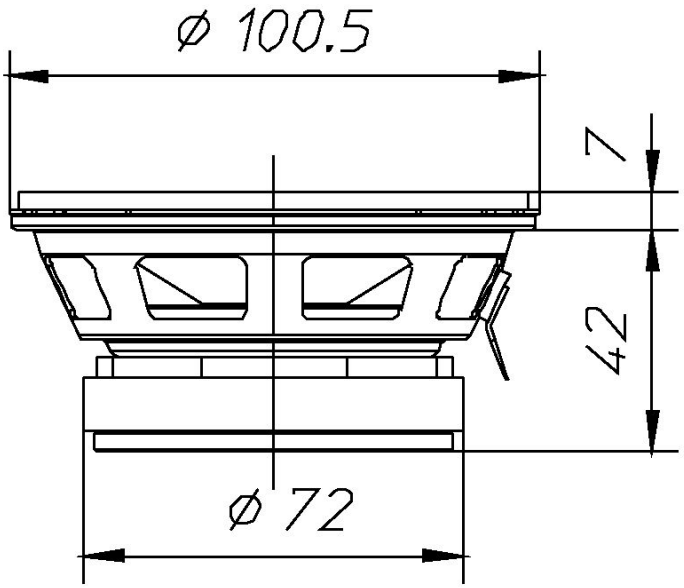
4" 4 Ohm Low Frequency Driver

Voice Coil Diameter	25 mm 1 in
Continuous Power Handling	100 W
Sensitivity	87 dB

DATASHEET DRAWINGS



DRAWINGS



CW100Z

SPECIFICATIONS

Nominal Diameter	100 mm (3.94 in)
Nominal Impedance	4 ©
Nominal Power Handling	40 W Nominal power is determined according to AES2-1984 (r2003) standard.
Continuous Power Handling	100 W Program Power is defined as 3 dB greater than the Nominal rating.
Sensitivity	87 dB W/1m Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.
Frequency Range	80 Hz - 80 Hz Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.
Voice Coil Diameter	25 mm (1 in)
Former Material	Aluminum
Winding Depth	6.2 mm (0.24 in)
Magnetic Gap Depth	4 mm (0.16 in)

PARAMETERS

Fs	107 Hz
Re	3.5 ©
Qes	1.1
Qms	2.63
Qts	0.78
Vas	1.9 dm³ (0.07 ft³)
Sd	50 cm² (7.75 in²)
Xmax	2.1 mm (0.08 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	4.2 g
Bl	2.99 Tm
Cms	0.53 mm/N
d	80 mm (3.15 in)
EBP	97 Hz

DESIGN

Surround Shape	Rubber
Recommended Enclosure	10 dm³ (0.353 ft³)
Recommended Loading	Sealed box

MOUNTING AND SHIPPING INFO

Overall Diameter	100.5 mm (3.96 in)
Bolt Circle Diameter	116 mm (4.57 in)
Baffle Cutout Diameter	91 mm (3.58 in)
Depth	49 mm (1.93 in)
Flange and Gasket Thickness	7 mm (0.28 in)
Net Weight	0.44 kg (0.97 lb)
Shipping Units	12 pcs
Basket Material	Steel
Bolt Quantity	4 pcs
Bolt Diameter	5.5 mm (0.22 in)