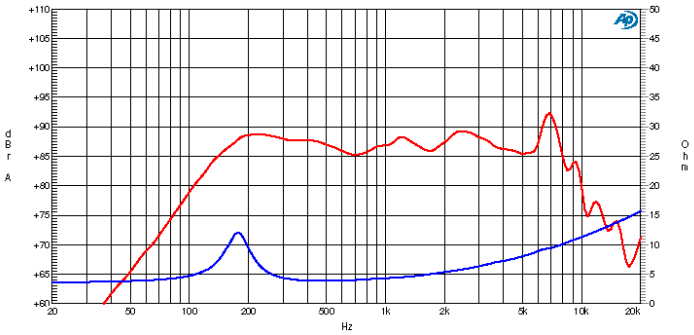
CM100



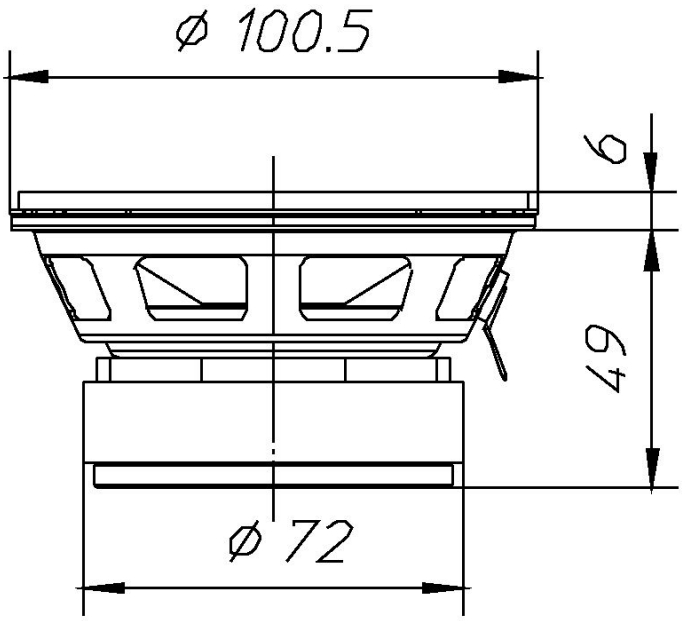
4" 4 Ohm Low Frequency Driver

Voice Coil Diameter	25 mm 1 in
Continuous Power Handling	150 W
Sensitivity	89 dB

DATASHEET DRAWINGS



DRAWINGS



CM100

SPECIFICATIONS

Nominal Diameter	100 mm (3.94 in)
Nominal Impedance	4 ©
Nominal Power Handling	60 W Nominal power is determined according to AES2-1984 (r2003) standard.
Continuous Power Handling	150 W Program Power is defined as 3 dB greater than the Nominal rating.
Sensitivity	89 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	150 Hz - 8000 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)
Winding Depth	6.2 mm (0.24 in)
Magnetic Gap Depth	5 mm (0.2 in)

PARAMETERS

Fs	160 Hz
Re	3.4 ©
Qes	0.52
Qms	2.75
Qts	0.43
Vas	1.8 dm³ (0.06 ft³)
Sd	48 cm² (7.44 in²)
·0	0.45 %
Xmax	1.9 mm (0.07 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 g
Bl	4.09 Tm
Le	0.18 mH
Cms	0.55 mm/N
d	78 mm (3.07 in)
EBP	308 Hz

DESIGN

Surround Shape	Doped fabric
Recommended Enclosure	1 dm³ (0.035 ft³)
Recommended Loading	Sealed box
Connection Type	Faston
Cone Material	Cellulose fiber

MOUNTING AND SHIPPING INFO

Overall Diameter	100.5 mm (3.96 in)
Bolt Circle Diameter	110 mm (4.33 in)
Baffle Cutout Diameter	91 mm (3.58 in)
Depth	55 mm (2.17 in)
Flange and Gasket Thickness	6 mm (0.24 in)
Net Weight	0.65 kg (1.43 lb)
Shipping Units	12 pcs
Basket Material	Steel
Bolt Quantity	4 pcs
Bolt Diameter	5 mm (0.2 in)