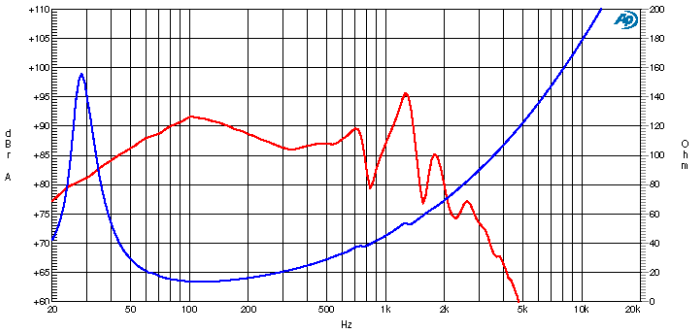
HS251



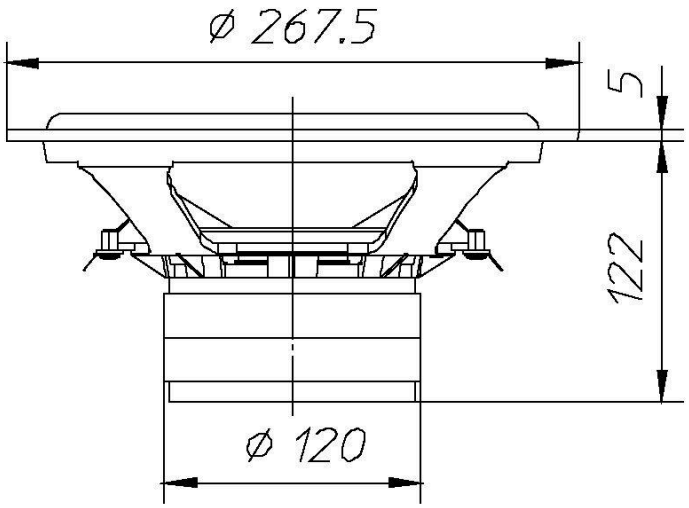
10" 8 Ohm Low Frequency Driver

Voice Coil Diameter	50 mm 2 in
Continuous Power Handling	200 W
Sensitivity	89 dB

DATASHEET DRAWINGS



DRAWINGS



HS251

SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 ©
Nominal Power Handling	100 W Nominal power is determined according to AES2-1984 (r2003) standard.
Continuous Power Handling	200 W Program Power is defined as 3 dB greater than the Nominal rating.
Sensitivity	89 dB V2183 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	25 Hz - 25 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	50 mm (2 in)
Former Material	Kapton
Winding Depth	24 mm (0.94 in)
Magnetic Gap Depth	8 mm (0.31 in)

PARAMETERS

Fs	30 Hz
Re	5.8 ©
Qes	0.43
Qms	7.21
Qts	0.4
Vas	63.2 dm³ (2.23 ft³)
Sd	346 cm² (53.63 in²)
·0	0.36 %
Xmax	10 mm (0.39 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	79.13 g
Bl	19.91 Tm
Le	4.03 mH
Cms	0.38 mm/N
d	210 mm (8.27 in)
EBP	70 Hz

DESIGN

Surround Shape	Rubber
Recommended Enclosure	62 dm³ (2.19 ft³)
Recommended Loading	Vented Box
Cone Material	Treated Cellulose

MOUNTING AND SHIPPING INFO

Overall Diameter	267.5 mm (10.53 in)
Bolt Circle Diameter	253 mm (9.96 in)
Baffle Cutout Diameter	235 mm (9.25 in)
Depth	127 mm (5 in)
Flange and Gasket Thickness	5 mm (0.2 in)
Net Weight	4.2 kg (9.25 lb)
Shipping Units	6 pcs
Basket Material	Aluminum
Bolt Quantity	8 pcs
Bolt Diameter	5 mm (0.2 in)