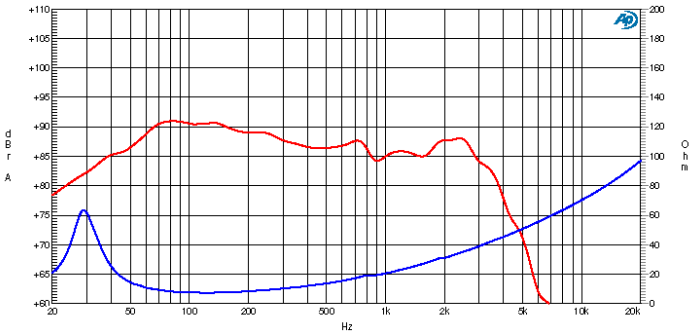
HW251N



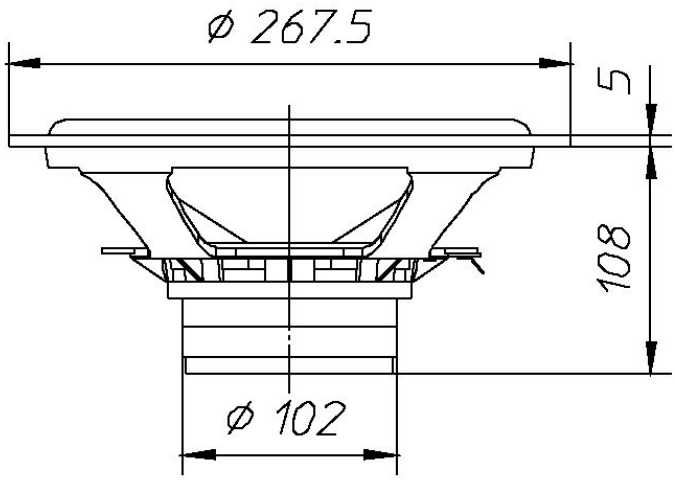
10" 8 Ohm Low Frequency Driver

Voice Coil Diameter	38 mm 1.5 in
Continuous Power Handling	240 W
Sensitivity	91 dB

DATASHEET DRAWINGS



DRAWINGS



HW251N

SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 ©
Nominal Power Handling	120 W Nominal power is determined according to AES2-1984 (r2003) standard.
Continuous Power Handling	240 W Program Power is defined as 3 dB greater than the Nominal rating.
Sensitivity	91 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 - 2500 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	38 mm (1.5 in)
Former Material	Aluminum
Winding Depth	15.3 mm (0.6 in)
Magnetic Gap Depth	8 mm (0.31 in)

PARAMETERS

Fs	30 Hz
Re	6.5 ©
Qes	0.38
Qms	5.55
Qts	0.35
Vas	88 dm³ (3.11 ft³)
Sd	346 cm² (53.63 in²)
·0	0.66 %
Xmax	5.7 mm (0.22 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	50.77 g
Bl	13.02 Tm
Le	1.75 mH
Cms	0.52 mm/N
d	210 mm (8.27 in)
EBP	79 Hz

DESIGN

Surround Shape	Rubber
Recommended Enclosure	64 dm³ (2.26 ft³)
Recommended Loading	Vented Box

MOUNTING AND SHIPPING INFO

Overall Diameter	267.5 mm (10.53 in)
Bolt Circle Diameter	253 mm (9.96 in)
Baffle Cutout Diameter	232 mm (9.13 in)
Depth	113 mm (4.45 in)
Flange and Gasket Thickness	5 mm (0.2 in)
Net Weight	2.8 kg (6.17 lb)
Shipping Units	4 pcs
Basket Material	Aluminum
Bolt Quantity	8 pcs
Bolt Diameter	5 mm (0.2 in)