

# ND9208W Code:19102

- ☀ 8 inch
- ☀ 250 Watts
- ☀ 95 dB
- ☀ 63 ~ 4000 Hz



### KEY FEATURES:

- ① 500 W continuous program power capacity
- ② High sensitivity 95dB/1w/1m
- ③ Extended smooth response up to 4000Hz
- ④ 2" high temperature voice coil
- ⑤ Neodymium magnet system
- ⑥ Ideal for line array or 2-way fullrange systems.

### GENERAL SPECIFICATIONS

Nominal Diameter	200mm /8inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	250 Watts
Program Power <sup>2</sup>	500 Watts
Sensitivity(1w/1m) <sup>3</sup>	95 dB
Frequency Range <sup>4</sup>	63 ~ 4000Hz
Minimum Impedance(Zmin)	6.7 ohm
Voice Coil Diameter	50mm /2inch
Voice Coil Material	Copper
Former Material	Polyimide
Voice Coil Winding Depth	18 mm
Number of layers	2(inside/outside)
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.6T
Magnet material	Neodymium

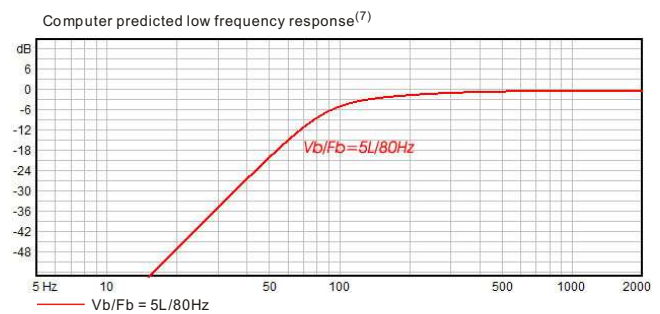
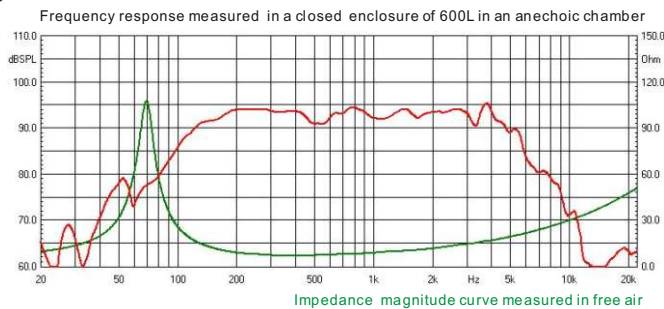
### THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	69 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	5.55
Electrical factor	Qes	0.29
Total factor	Qts	0.27
Mechanical compliance of suspension losses	Cms	0.2 mm/N
Effective Moving Mass	Rms	2.06 mech-ohm
Half-space efficiency	Mms	26.3 g
BL Factor	Eff	1.5%
Equivalent Cas air load	BL	14.5 T.m
Effective piston area	Vas	13.4 liters
Max. linear excursion <sup>6</sup>	Sd	0.0219 m <sup>2</sup>
Voice coil inductance	Xmax	6.5 mm
Efficiency Bandwidth Product	Le1K	0.54 mH
	EBP	237

### MOUNTING INFORMATION

Overall Diameter	200 mm
Bolt Circle Diameter	212 mm
Bolt Hole Diameter	5.5 mm
Baffle Cutout Diameter	180 mm
Overall Depth	100 mm
Net Weight	2.4 kg
Shipping Weight	2.6 kg
Shipping Box	220x220x110mm

Also available in 16ohm, data upon request.



- NOTES:**
1. AES standard
  2. Program Power is defined as 3 dB greater than the nominal power handling.
  3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
  4. Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
  5. T/S parameters measured with laser system without preconditioning test at 23 Celsius degree environment.
  6. The maximum linear excursion is calculated as:  $(Hvc-Hg)/2+Hg/4$  where Hvc is the voice coil depth and Hg is the gap depth.
  7. Vb: Net internal volume of box after subtracting the volume of internal objects.