

# 6MR500-NDY-4

Professional Midrange Driver



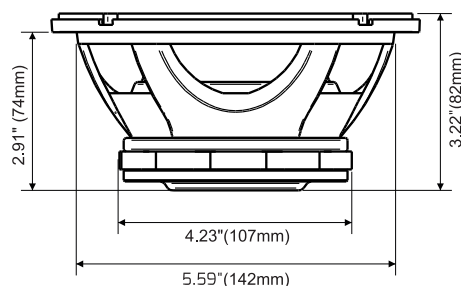
## KEY FEATURES

- Special pole piece design for best High Freq. performance and low distortion
- Suitable for line array applications, space efficient octagonal basket
- Lightweight design combined with a high efficient neodymium slug assembly
- Sturdy cast aluminum basket to minimize acoustic distortion



## GENERAL SPECIFICATIONS

|   |   |
|---|---|
| Nominal Diameter                        | 6" (152 mm)                               |
| Nominal impedance                       | 4 Ohm                                     |
| <b>Nominal Power Handling</b>           | <b>250 Watts</b>                          |
| Continuous Program Power (RMS)          | 500 Watts                                 |
| Max Peak Power                          | 1000 Watts                                |
| <b>Sensitivity 2.83V at 1m</b>          | <b>96 dB</b>                              |
| Recommended Hi Pass Crossover*          | 220 Hz*                                   |
| <small>*For Full Power Handling</small> | <small>*12db Per Octave Crossover</small> |
| <b>Frequency Response at -10dB</b>      | <b>90 - 13,000 Hz</b>                     |
| Voice Coil Diameter                     | 2" (50 mm)                                |
| Voice Coil Wire                         | CCAW                                      |
| Voice Coil Winding Depth                | 11.2 mm                                   |
| Former Material                         | Kapton                                    |
| Magnetic Gap Depth                      | 5.5 mm                                    |
| Frame Material                          | Die Cast Aluminum                         |



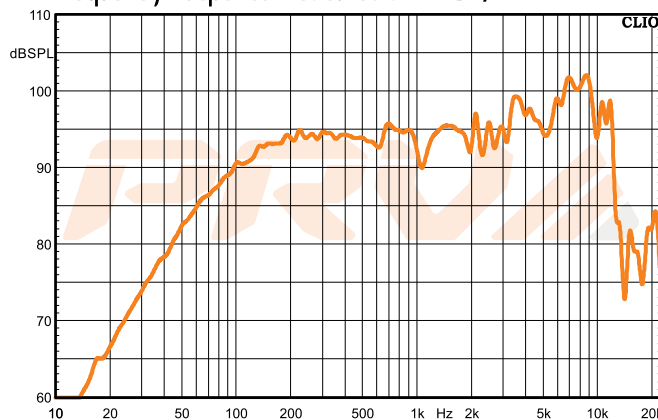
## THIELE-SMALL PARAMETERS

|                             |      |                     |
|-----------------------------|------|---------------------|
| Equivalent Volume           | Vas  | 5.14 l              |
| Excursion (mathematical)*** | Xmax | 4.42 mm             |
| Free Air Resonance          | Fs   | 99.8 Hz             |
| Mechanical Factor           | Qms  | 23.1                |
| Electrical Factor           | Qes  | 0.47                |
| Total Factor                | Qts  | 0.43                |
| Cone Area                   | Sd   | 143 cm <sup>2</sup> |
| Mechanical Mass             | Mms  | 14.14 g             |
| Bl Factor                   | BL   | 8.77 Tm             |
| Dc Resistance               | Re   | 3.8 Ohms            |
| Inductance                  | Le   | 0.05 mH at 1 kHz    |
| Mechanical Mass Without Air | Mmd  | 13.17 g             |
| Mechanical Compliance       | Cms  | 0.180 mm/N          |

## EXTRA INFO

|                             |   |
|-----------------------------|---|
| Overall Diameter            | 6.47" (164.5 mm)                            |
| Front Mount Baffle Cutout   | 5.59" (142 mm)                              |
| Mounting Depth              | 2.91" (74 mm)                               |
| Overall Depth               | 3.22" (82 mm)                               |
| Net Weight                  | 3.34 Lbs (1.51 kg)                          |
| Shipping Weight             | 3.64 Lbs (1.65 kg)                          |
| Carton Dimensions W x L x H | 7.09" x 7.09" x 4.37"<br>(155 x 155 x 95mm) |

Frequency Response Measured at 2.83V/1m



\*\*\*Xmax=(Voice coil winding depth-Magnetic Gap depth)/2+ Magnetic Gap Depth/4

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