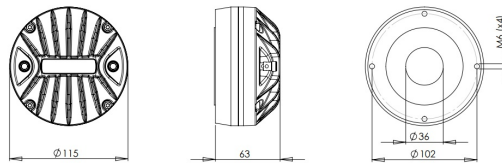


# DE990TN

**8Ω****HF Drivers - 1.4 Inches**

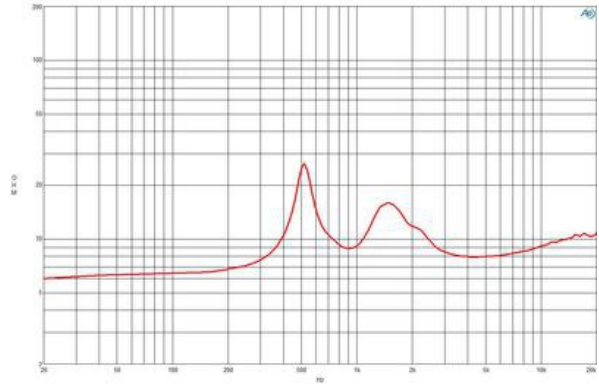
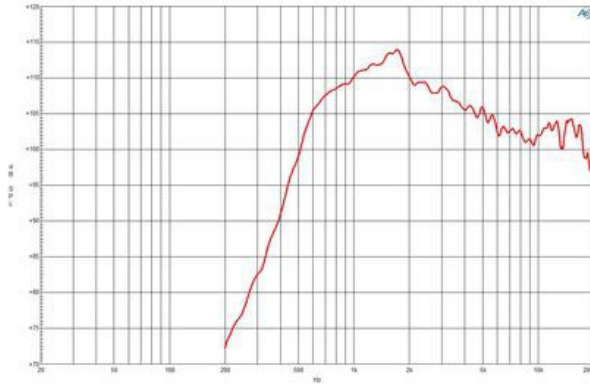
- 200 W continuous program power capacity
- 1.4" horn throat diameter
- 86 mm (3.4 in) aluminium voice coil
- Titanium diaphragm
- 500 - 18000 Hz response
- 107.5 dB sensitivity
- Neodymium magnet assembly with shorting copper cap

## Description

The DE990TN is a uniquely compact 86mm (3.4 in) voice coil, neodymium high frequency driver. The compact 118mm diameter was achieved using a specially milled inside ring neodymium magnet. The diaphragm used in the DE990TN has been completely redesigned to incorporate a bent edge voice coil former, new dome and surround geometry and an optimized phase plug. These modifications combine to better control diaphragm displacement and deformations, resulting in lower distortion and a smoother higher frequency response above 10kHz.

# DE990TN

HF Drivers- 1.4 Inches



## SPECIFICATIONS<sup>1</sup>

|  |                  |
|--|------------------|
| Throat Diameter                        | 36 mm (1.4 in)   |
| Nominal Impedance                      | 8 $\Omega$       |
| Minimum Impedance                      | 7.6 $\Omega$     |
| Nominal Power Handling <sup>2</sup>    | 100 W            |
| Continuous Power Handling <sup>3</sup> | 200 W            |
| Sensitivity <sup>4</sup>               | 107.5 dB         |
| Frequency Range                        | 500.0 - 18.0 kHz |
| Recommended Crossover <sup>5</sup>     | 1.0 kHz          |
| Voice Coil Diameter                    | 86 mm (3.4 in)   |
| Winding Material                       | Aluminium        |
| Inductance                             | 0.1 mH           |
| Diaphragm Material                     | Titanium         |
| Flux Density                           | 1.9 T            |
| Magnet Material                        | Neo Inside Ring  |

## MOUNTING AND SHIPPING INFO

|   |                                     |
|---|-------------------------------------|
| Four M6 holes 90° on 102 mm (4 in) diameter |                                     |
| Overall Diameter                            | 118 mm (4.65 in)                    |
| Depth                                       | 63 mm (2.48 in)                     |
| Net Weight                                  | 1.85 kg (4.08 lb)                   |
| Shipping Units                              | 4                                   |
| Shipping Weight                             | 8.0 kg (17.64 lb)                   |
| Shipping Box                                | 265x135x170 mm (10.43x5.31x6.69 in) |

## REPLACEMENT DIAPHRAGM

MMD35ETN8M

1. Driver mounted on B&C ME90 horn
2. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated nominal impedance.
3. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
4. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5. 12 dB/oct. or higher slope high-pass filter.