

DE1090TN 16 Ω

SPECIFICATIONS

Driver mounted on B&C ME 90 horn.

Throat Diameter	36 mm (1.4 in)
Nominal Impedance	16 Ω
Minimum Impedance	11.4 Ω
Nominal Power Handling	120 W
<small>2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance.</small>	
Continuous Power Handling	240 W
<small>Power on Continuous Program is defined as 3 dB greater than the Nominal rating.</small>	
Sensitivity	109 dB
<small>Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.</small>	
Frequency Range	0.5 kHz - 20 kHz
Recommended Crossover	0.8 kHz
<small>12 dB/oct. or higher slope high-pass filter.</small>	
Voice Coil Diameter	100 mm (4 in)
Winding Material	Aluminium
Inductance	0.18 mH
Flux Density	1.9 T
Diaphragm Material	Titanium

MOUNTING AND SHIPPING INFO

Four M6 holes 90° on 102 mm (4 in) diameter

Overall Diameter	127 mm (5 in)
Depth	54 mm (2.13 in)
Net Weight	1.9 kg (4.19 lb)
Shipping Units	1 pcs
Shipping Weight	1.95 kg (4.29 lb)
Shipping Box	140x135x62 mm (5.51x5.31x2.44 in)

SERVICE KITS

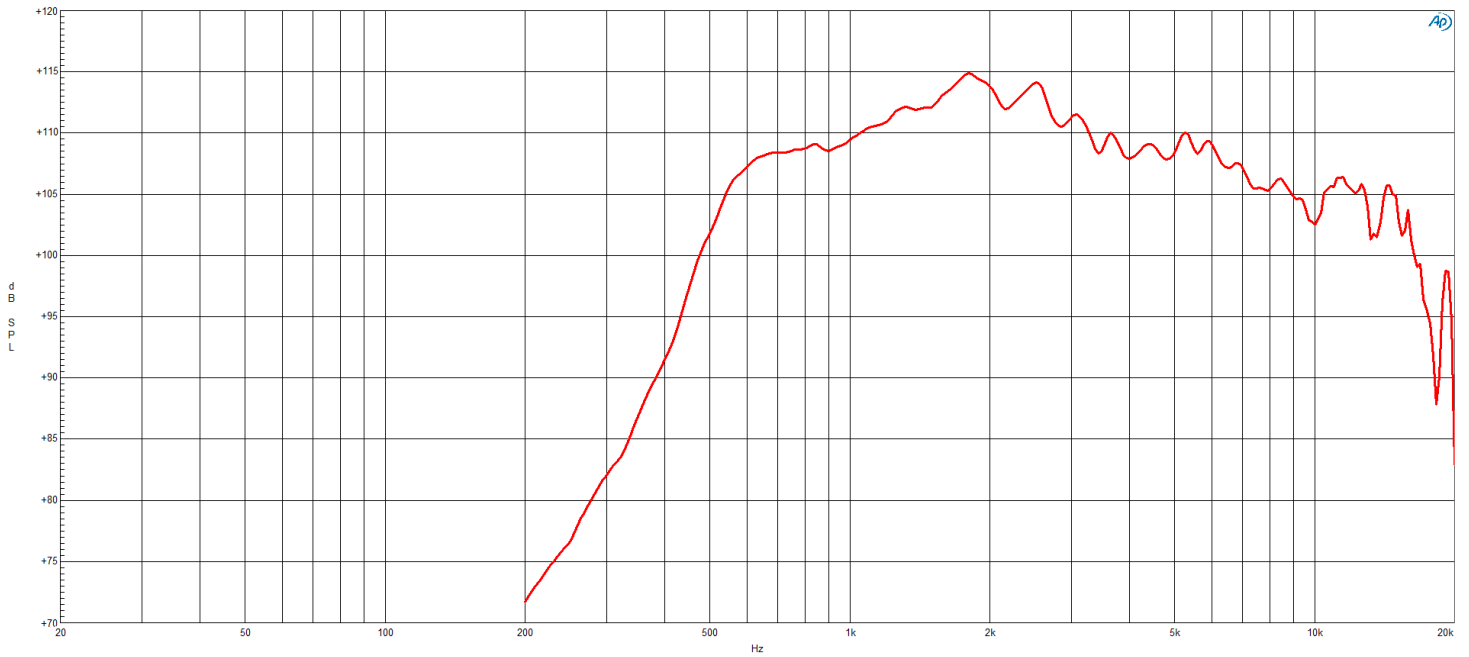
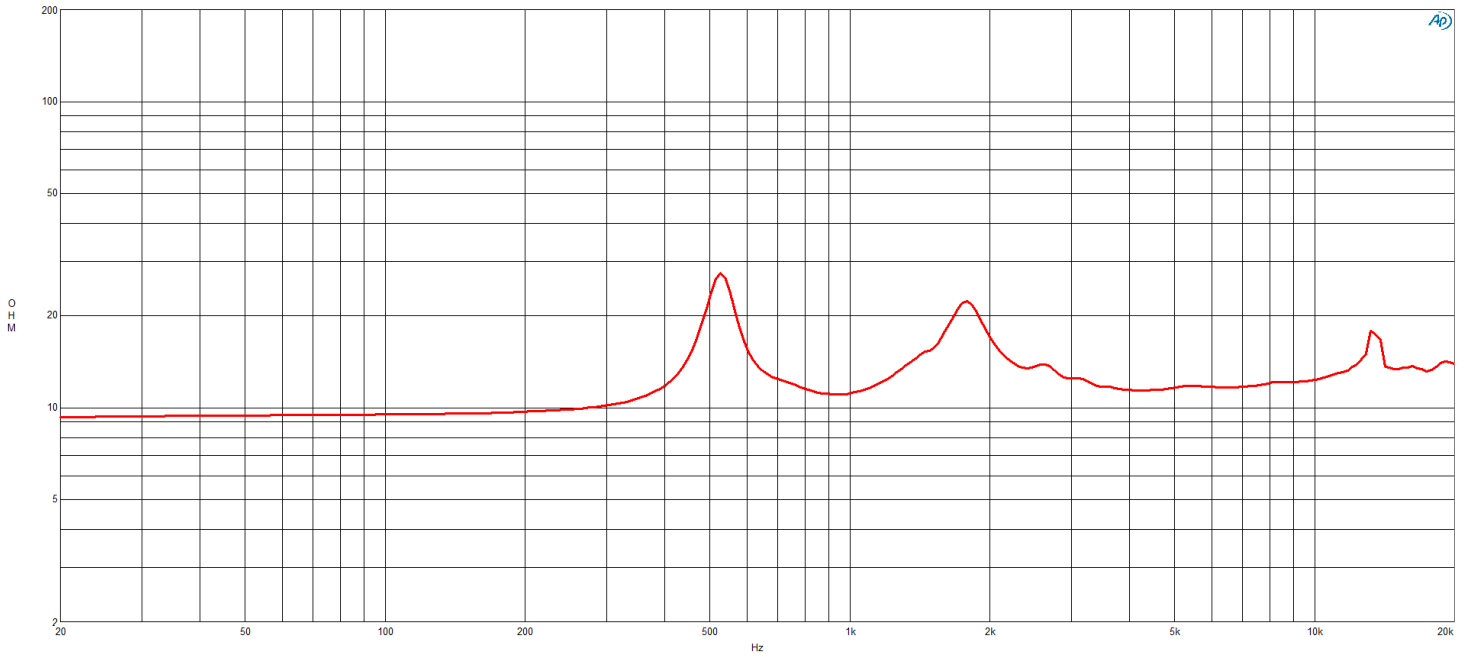
HF replacement-diaphragm	MMD4CTN16M
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240 W continuous program power capacity
 1.4" horn throat diameter
 100 mm (4 in) aluminium voice coil
 Titanium diaphragm
 500 - 20000 Hz response
 109 dB sensitivity
 Neodymium magnet assembly with shorting copper cap

The DE1090TN is the latest version of our premium 100mm (4.0 in) voice coil, neodymium high frequency driver. The compact 127mm diameter was achieved using a specially designed inside ring neodymium magnet. The diaphragm used in DE1090TN has been completely redesigned to incorporate a bent edge voice coil former, as well as new dome and surround geometry. These modifications combine to better control diaphragm displacement and deformations, resulting in lower distortion and a smoother higher frequency response above 10kHz.



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