

ND1085

HF Neodymium Driver

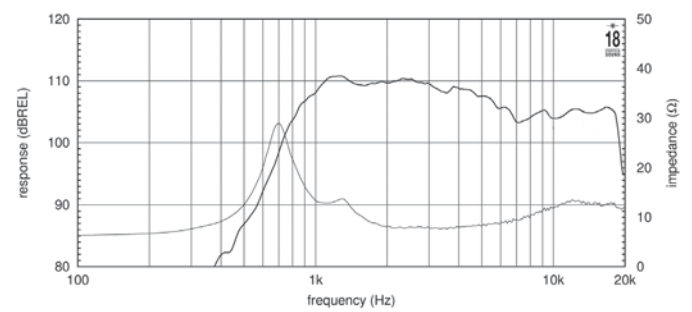
- 1 inch exit throat
- 109 dB 1W / 1m average sensitivity
- 80 Watt program power handling
- 44 mm (1 3/4 in) edgewound aluminum voice coil
- PEN diaphragm for extended frequency response
- Proprietary phase plug design
- Neodymium ring magnet for excellent transient response
- Excellent thermal exchange



GENERAL SPECIFICATIONS

Throat Diameter	25,4 mm (1 in)
Rated Impedance	8 Ohm
DC Resistance	5,2 Ohm
Minimum Impedance	7,8 Ohm at 4000Hz
le (at 1kHz)	66 μH
AES Power (1)	40 W above 1,6 kHz
Program Power (2)	80 W above 1,6 kHz
Sensitivity (3)	109 dB
Frequency Range	1600Hz - 20kHz
Recomm. Xover Frequency	1600Hz (12dB/oct slope)
Diaphragm Material	Titanium - PEN
Voice Coil Diameter	44,4 mm (1 3/4 in)
Voice Coil Winding Material	Edge-wound aluminum
Magnet Material	Neodymium

FREQUENCY RESPONSE CURVE

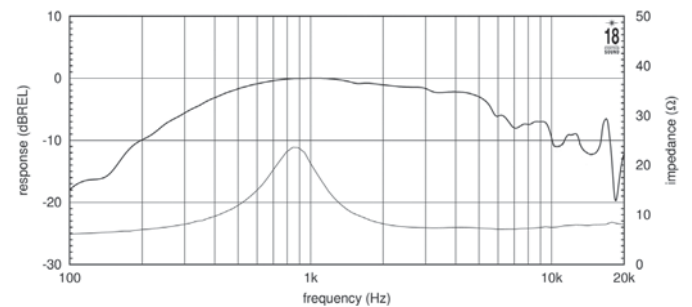


ND1085 FREQUENCY RESPONSE MEASURED WITH 1W INPUT ON RATED IMPEDANCE AT 1M DISTANCE ON CENTRAL FORWARD AXIS FROM THE MOUTH OF REFERENCE HORN. THIN LINE REPRESENTS IMPEDANCE MEASURED IN SAME CONDITIONS.

MOUNTING INFORMATION

Overall diameter	92 mm (3,6 in)
N. of mounting holes and bolt	4 M6 holes 90° at Ø 76 mm (3 in)
Bolt circle diameter	76 mm (3 in)
Total depth	53 mm (2,1 in)
Net weight	1,1 Kg (2,4 lb)
Shipping weight	1,3 Kg (2,9 lb)
CardBoard Packaging dimensions	140x121x64 mm (5.5 x 4.8 x 2.5 in)

FREE AIR IMPEDANCE MAGNITUDE CURVE



ND1085 FREQUENCY RESPONSE MEASURED WITH 1W INPUT ON RATED IMPEDANCE ON CENTRAL FORWARD AXIS IN A REFLECTION FREE ENVIRONMENT. THIN LINE REPRESENTS IMPEDANCE MEASURED IN SAME CONDITIONS

NOTES

- 1) AES power rating is tested with a pink noise input having a 6 dB crest factor for two hours duration within the specified range. Power calculated on minimum impedance.
- 2) Program power rating is defined as 3 dB greater than AES rating, and is a conservative expression of the transducer ability to handle music program material.
- 3) Sensitivity is measured at 1W input on rated impedance at 1m on axis from the mouth of XT1086 horn, averaged between 1 kHz and 4 kHz.