



Key features

- 109 dB 1W / 1m average sensitivity
- 1,4 inch exit
- 3 inch voice coil diameter
- 160 Watt continuous program
- Pure titanium diaphragm assembly
- Excellent thermal exchange
- Neodymium magnet assembly

- The ND1460 will find its application in high quality sound systems. With a throat diameter of 1.4 inch, the ND1460 is developed to match the new XT1464 Constant Directivity horn.
- The coherent phase plug configuration with 3 slots provides high output, smooth response and low harmonic distortion.
- The high strength, high temperature voice coil former is glued directly to the titanium dome through its upper bent edge. This technology assures best energy transfer for extended frequency response.
- The titanium diaphragm, produced in house, is developed to assure unmatched transient response. The suspension, designed to give

constant stiffness, assures a 3rd harmonic distortion lower than 0.1% over all working frequency range.

- The machined copper ring on the pole piece reduces inductance above 10 kHz improving transient response and phase control at high frequencies.
- Excellent heat dissipation and lowest power compression are achieved by the introduction of the heat sink on the cover tightly joint to the top plate.

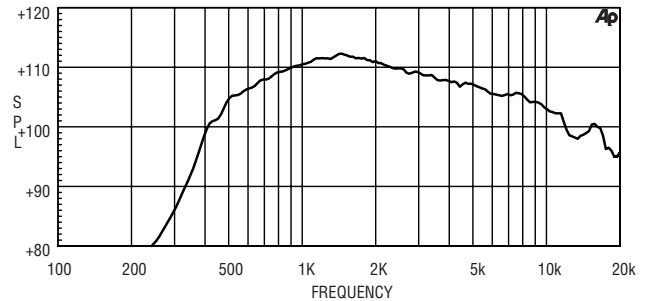
GENERAL SPECIFICATIONS

THROAT DIAMETER	35,5 mm	(1,4 in)
RATED IMPEDANCE	8 ohms	
D.C. RESISTANCE	6,2 ohms	
MINIMUM IMPEDANCE	8 ohms at 3500 Hz	
POWER HANDLING (800 - 20000 Hz)		
CONTINUOUS PINK NOISE	80 W above 1,2 kHz	(1)
CONTINUOUS PROGRAM	160 W above 1,2 kHz	(2)
SENSITIVITY (1W/1m)	109 dB	(3)
FREQUENCY RANGE	500 Hz - 20 kHz	
RECOMM. CROSS. FREQUENCY	above 800 Hz (12 dB /octave)	
DIAPHRAGM MATERIAL	Titanium	
VOICE COIL DIAMETER	74,6 mm	(3 in)
VOICE COIL WINDING MATERIAL	Edge-wound aluminum	
MAGNET MATERIAL	Neodymium	
FLUX DENSITY	1,9 T	
BL FACTOR	13,5 N/A	
POLARITY	Positive voltage on red terminal gives positive pressure in the throat	

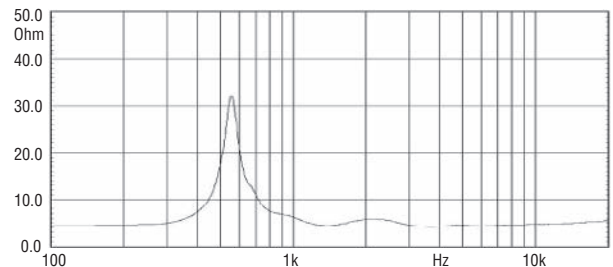
MOUNTING INFORMATIONS

Overall diameter	132 mm	(5,2 in)
N. of mounting holes	4 M6 holes 90° at Ø 102 mm (4 in)	
Bolt circle diameter	102 mm	(4 in)
Total depth	62 mm	(2,5 in)
Net weight	3,2 Kg	(7,1 lb)
Shipping weight	3,6 Kg	(7,9 lb)
CardBoard packing dimens.	145 x 160 x 72 mm	(5,7x6,3x2,8 in)

ND1460 MEASURED WITH 1W INPUT ON RATED IMPEDANCE AT 1 M DISTANCE ON AXIS FROM THE MOUTH OF STANDARD HORN XT 1464



IMPEDANCE CURVE OF ND1460



(1) Continuous pink noise 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 is defined as 3 dB greater than continuous pink noise but with 50% duty cycle.
 (3) Sensitivity is measured at 1W input on rated impedance at 1m on axis from the mouth of XT1464 averaged between 1kHz and 4 kHz.