



Key features

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

- The ND1480 is designed for high level sound systems application. With a throat diameter of 1.4 inch, the ND1480 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 ND1480 neodymium magnet assembly is designed to obtain maximum flux in the gap.

- 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.

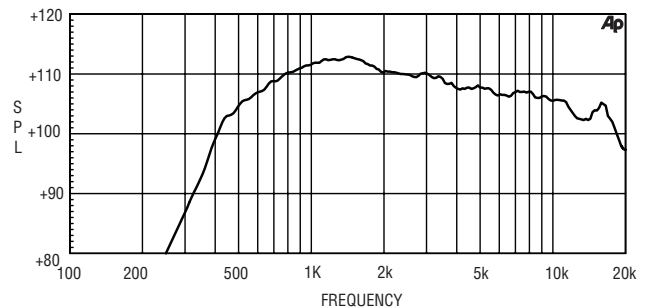
GENERAL SPECIFICATIONS

THROAT DIAMETER	35,5 mm	(1,4 in)
RATED IMPEDANCE	8 ohms	
D.C. RESISTANCE	6,2 ohms	
MINIMUM IMPEDANCE	8 ohms at 3500Hz	
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)	110 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	2,2 T	
BL FACTOR	15,5 N/A	
POLARITY	Positive voltage on red terminal gives positive pressure in the throat	

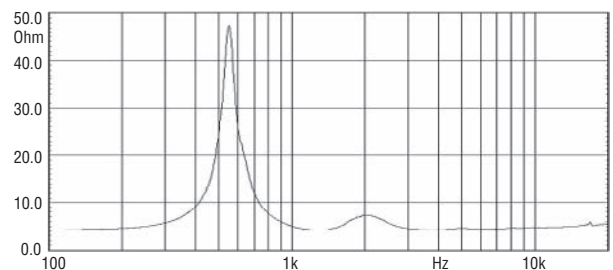
MOUNTING INFORMATIONS

Overall diameter	130 mm	(5,1 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	(7,2 lb)
Shipping weight	3,6 Kg	(7,9 lb)
CardBoard packing dims.	145 x 160 x 72 mm (5,7x6,3x2,8 in)	

ND1480 MEASURED WITH 1W INPUT ON RATED IMPEDANCE AT 1 M DISTANCE ON AXIS FROM THE MOUTH OF STANDARD HORN XT 1464



IMPEDANCE CURVE OF ND1480



(1) Continuous pink noise power rating is tested with a pink noise input having a 6 dB crest factor for two hours duration, per AES standard
 (2) Continuous program power is defined as 3 dB greater than continuous pink noise and is a conservative expression of the transducer ability to handle music program material
 (3) Sensitivity is measured on 1 W input on rated impedance at 1 m on axis from the mouth of XT 1464 averaged between 1 kHz and 4 kHz.