



Key features

- 110 dB SPL 1W/1m average sensitivity
- 2 inch exit
- 3 inch voice coil diameter
- 160 W continuous program
- Pure Titanium diaphragm assembly
- Excellent thermal exchange
- Neodymium magnetic assembly

- The ND2080 high frequency compression driver with 2 inch exit throat, is designed for high level sound systems application.
- 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 diaphragm assembly technology assures best energy transfer, for extended frequency response.
- The ND2080 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.

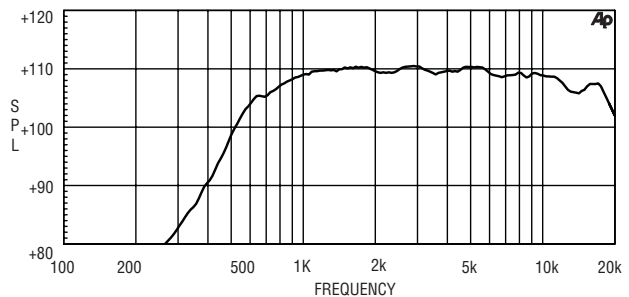
GENERAL SPECIFICATIONS

THROAT DIAMETER	50 mm	(2 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)	110 dB	(3)
FREQUENCY RANGE	500 Hz - 20 kHz	
RECOMM. CROSS. FREQUENCY	800Hz 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	

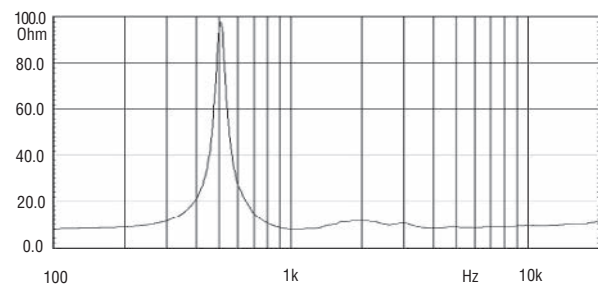
MOUNTING INFORMATION

Overall diameter	130 mm	(5,1 in)
N. of mounting holes	4 M6 holes 90° at Ø102 mm (4 in)	
Bolt circle diameter	102mm	(4 in)
Total depth	98 mm	(3,86 in)
Net weight	3,6 kg	(7,9 lb)
Shipping weight	4 kg	(8,8 lb)
CardBoard packing dimensions	145 x 160 x 108 mm	(5,7 x 6,3 x 4,3 in)

ND 2080 MESURED WITH 1W INPUT ON RATED IMPEDANCE AT 1M DISTANCE FROM THE MOUTH OF THE 2 INCH 40° X 20° HORN



IMPEDANCE CURVE OF ND 2080



(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 2 inch horn averaged between 1kHz and 4 kHz.