

ND1090

High Frequency Neodymium Driver



Key Features

- 110 dB SPL 1W / 1m average sensitivity
- 1 inch exit
- 44 mm (1 3/4 inch) voice coil diameter
- 100 Watt continuous program
- Excellent thermal exchange
- Pure Titanium dome
- Patent pending phase plug
- Neodymium ring magnetic structure
- Ideal for 2 way systems

GENERAL SPECIFICATIONS

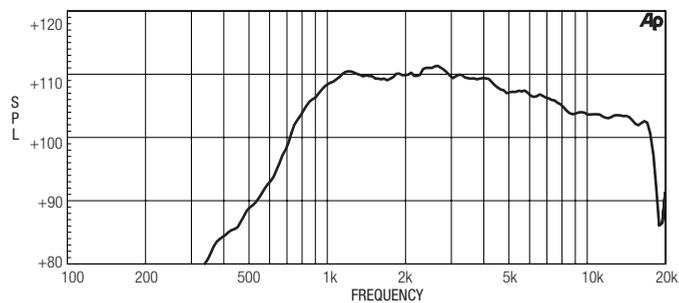
THROAT DIAMETER	25,4 mm	(1 in)
RATED IMPEDANCE	8 Ohm	
DC RESISTANCE	5,3 Ohm	
MINIMUM IMPEDANCE	7 Ohm at 4000Hz	
POWER HANDLING		
CONTINUOUS PINK NOISE (1)	50W above 1,6 kHz	
CONTINUOUS PROGRAM (2)	100W above 1,6 kHz	
SENSITIVITY (1W@1m) (3)	110 dB	
FREQUENCY RANGE	1600Hz ÷ 20kHz	
RECOMM. XOVER FREQUENCY	1600Hz (12dB/oct slope)	
DIAPHRAGM MATERIAL	Pure Titanium dome	
VOICE COIL DIAMETER	44,4mm	(1 3/4 in)
MAGNET MATERIAL	Neodymium	
FLUX DENSITY	2 T	
OVERALL DIAMETER	92 mm	(3,6 in)
TOTAL DEPTH	53 mm	(2,1 in)
NET WEIGHT	1,2 kg	(2,6 lb)

(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 XT1086 averaged between 1kHz and 4 kHz.

ND1090 MEASURED WITH 1W INPUT ON
RATED IMPEDANCE AT 1M DISTANCE ON
XT1086 HORN MOUTH AXIS



FREE AIR IMPEDANCE MAGNITUDE CURVE

