



ND950 1.4

DRIVER



Description

The ND950 1.4 is a ultra compact size, high performance, high power handling 4.0-inch diaphragm compression driver with a 1.4 inch exit throat. The high power neodymium magnet guarantee the perfect control of the dome assembly's moving mass. This leads to higher efficiency, better transient response and diminishes high frequency distortion modes. A thin copper ring is precision pressed on to the pole piece in order to modify and lower the inductance characteristics of the magnetic circuit and voice coil providing a controlled extension of the acoustic frequency response. The ND950 1.4 features a 0.05 mm thick pure titanium dome in combination with a high strength Mylar suspension. The voice coil assembly is designed using a high strength, high temperature Kapton® voice coil former and edge wound copper clad aluminium wire. The ND950 1.4 features a 4-slot, optimised geometry, phase plug design. Extended computer assisted mathematical modelling and testing has resulted in a geometry that provides a balanced acoustic performance controlling and lowering air distortion and maximizing output.

Features

- › 4-inch Diaphragm, 1.4-inch Exit Throat / Pure Titanium Compression Driver
- › 280W continuous program power handling
- › Frequency range: 500Hz - 20kHz
- › 4-slot optimized geometry phase plug
- › Titanium diaphragm, Polyimide surround
- › Copper inductance ring for extended response
- › The minimum size 4" driver available
- › Neodymium magnet assembly

Part Number

15129038 ND950 1.4

8ohm



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General specifications

TECHNICAL SPECIFICATIONS

Exit Throat Diameter	1.4 inch / 36 mm
Related Impedance	8 ohm
Program Power (watt)	280 W
Power handling capacity (watt)	140 W
Sensitivity	110 dB
Frequency range	500 - 20000 Hz
Diaphragm Material	Pure Titanium
Suspension Material	Polyimide
Suspension Design	Flat
Minimum Impedance (ohm)	8.50 ohm
Voice Coil Diameter	4.0 inch / 102 mm
Voice Coil Material	Edgewound Aluminum
Voice Coil Former Design	Direct Drive Kapton
Number of layers	1
Kind of layers	inside/outside
Flux Density	2.0 T
Phase Plug Design	4 slot
Phase Plug Material	Aluminum
Magnetics	Neodymium
Voice Coil Demodulation Ring	Copper
Bl factor (Bl) (T x m)	17.60 T x m
Overall diameter	146 mm / 5.75 inches
Overall height	60 mm / 2.36 inches
Mounting	4 x 6 mm threaded holes at 90°
Safety agency	CE compliant
Weight	3.5 kg / 7.72 lbs

Thiele - small parameters

Mounting information

Standard compliance

Size / Weight

Line Art 2D

