ND950 2.0

DRIVER



Description

The ND950 2.0 is a ultra compact size, high performance, high power handling 4.0-inch diaphragm compression driver with a 2.0 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 2.0 features a .05 mm thick pure titanium 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 2.0 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

- 4.0 inch, Kapton former, edge wound aluminium voice coil
- 280W continuous program power handling
- Frequency range: 500Hz - 20kHz
- 4-slot optimized geometry phase plug
- Titanium dome, Polyimide surround
- Copper inductance ring for extended response
- The minimum size 4" driver available

Part Number

15129040 ND950 2.0 8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Exit Throat Diameter	2.0 inch / 51 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	outside
	Flux Density	2.0 T
	Phase Plug Design	4 slot
	Phase Plug Material	Aluminum
	Magnetics	Neodymium
	Voice Coil Demodulation Ring	Copper
Thiele - small parameters	Bl factor (Bl) (T x m)	17.60 T x m
Mounting information	Overall diameter	146 mm / 5.75 inches
	Overall height	97 mm / 3.82 inches
	Mounting	4 x 6 mm threaded holes at 90°
Standard compliance	Safety agency	CE compliant
Size / Weight	Weight	3.82 kg / 8.42 lbs

Line Art 2D

