

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



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 |
| | Suspension Design: | Flat |
| | Minimum Impedance (ohm): | 8.50 ohm |
| | Voice Coil Diameter: | 4.0 inch / 102 mm |
| | 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 |
| Thiele - small parameters | BI factor (BI) (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° |
| Size | Weight: | 3.82 kg / 8.42 lbs |
| Shipping information | Package Height: | 116 mm / 4.57 inches |
| | Package Width: | 169 mm / 6.65 inches |
| | Package Depth: | 171 mm / 6.73 inches |
| | Package Weight: | 4.02 kg / 8.86 lbs |

PART NUMBER

- **15129040**
ND950 2.0
8ohm



