

DRIVER ND350

Professional High Frequency Transducer

PART NUMBER 15129027

Features

- 1.75-inch Diaphragm, 1.0-inch Exit Throat
- 100 watt Continuous program power handling
- Frequency range: 1200Hz - 20kHz
- 2-slot, optimised geometry phase plug
- Polyester diaphragm
- Vented suspension system
- Compact neodymium magnet assembly

Applications

The ND350 is a very compact size compression driver for professional applications. Compact 2-way systems, multiple-way systems, compact arrays. Flexible and easy to crossover, offer high efficiency combined to a very high frequency extension. Very good in combination with RCF HF94, HF64, H100, HF101 horns.



Notes to Specifications

1. Continuous pink noise power ratings are derived from suggested AES standards sending a pink noise signal having a 6 dB crest factor with a high pass filter set at the specified lower limiting frequency for two hours. Continuous program power is a conservative power rating for reproduction of typical audio program material.
2. Sensitivity measurement is based on pink noise signal with input power of 1 watt and measured at 1 meter from the mouth of a horn with 0 of 15 on axis and averaged between 2 and 5 kHz.
3. Frequency range is defined as the measured frequency response -10dB relative to the rated sensitivity.

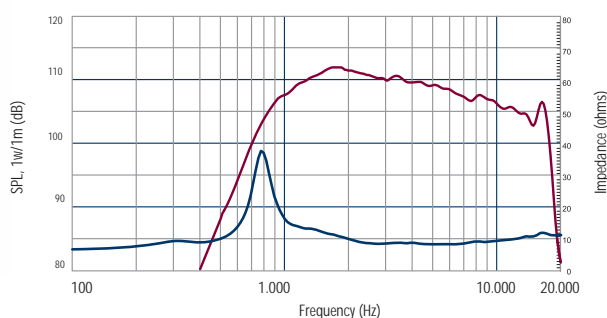
The ND350 is a high performance 1.75-inch diaphragm neodymium compression driver with a 1.0 inch exit throat. The diaphragm is precision formed from polyester. The voice coil assembly is designed using high temperature Kapton former, rectangular profile copper clad aluminum wire and assembled using advanced, specially formulated adhesives.

General Specifications

| | | |
|---|--------------------|---------|
| Exit Throat Diameter | 25.4/1 | mm/inch |
| Rated Impedance | 8 | ohm |
| Power handling capacity ¹ | | |
| continuous program above 1.5 kHz | 100 | Watt |
| AES above 1.5 kHz | 50 | Watt |
| Sensitivity 1 W, 1 M, on axis, on horn ² | 109 | dB |
| Frequency Range ³ | 1200 - 20000 | Hz |
| Diaphragm Material | Polyester | |
| Suspension Material | Polyester | |
| Suspension Design | Flat | |
| Minimum Impedance | 6,5 ohm at 4500 Hz | |
| Voice Coil Diameter | 44.4/1.75 | mm/inch |
| Voice Coil Material | Edgewound Aluminum | |
| Voice Coil Former Design | Straight -Kapton | |
| Number of layers | 1 - Outside | |
| BL Factor | 7.5 | T · m |
| Flux Density | 1.8 | T |
| Phase Plug Design | 2 slot | |
| Phase Plug Material | Composite | |
| Magnetics | Neodymium | |
| Voice Coil Demodulation | - | |

Mounting Information

| | | |
|-------------------------------------|----------|---------|
| Overall Diameter | 85/3.3 | mm/inch |
| Overall Height | 43/1.8 | mm/inch |
| Mounting | | |
| 2 x 6 mm threaded holes at 180 deg. | 76.2/3.0 | mm/inch |
| Net Weight | 0.8/1.8 | kg/Lbs |
| Shipping Weight | 1.0/2.2 | kg/Lbs |



Frequency response and electrical impedance curve of the compression driver mounted on HF94 horn with input signal of 2.83 Volt.