# NDX595

DRIVER



**Description**

The 1.75" PKX dome NDX595 is a compression driver for professional applications where high-quality sound and long-term reliability are required. The ultra-compact size and the low recommended crossover point at 1000 Hz make it ideal for small two-way cabinet designs and three-way loudspeaker systems. PKX (modified polyether ether ketone) is a rigid yet lightweight material, optimized with reinforcing ribs, offering remarkable precision and reliability compared with other polymeric materials. The voice coil utilizes ultralight edge wound aluminum wire, class-leading neodymium magnets, a 3-slot phase plug, and a copper ring design to deliver exceptional power handling, sensitivity, and low distortion across its operating bandwidth. The driver specifies 140 Watts of continuous power handling at 8 ohms, with a sensitivity of 110 dB.

**Features**

- 1.75-inch PKX dome, polyimide surround
- Kapton former, edge wound aluminum voice coil
- 140W continuous program power handling @ 8O
- Frequency range: 500Hz - 20kHz
- 4-slot optimized geometry phase plug
- Copper inductance ring for extended response
- High-flux density neodymium magnet
- Recommended for 3-way speaker design

**Part Number**

| | | |
|---|---|---|
| 15100023 | NDX595 | 8ohm |

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DRIVER

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| General specifications | Exit Throat Diameter | 1.0 inch / 25 mm |
| | Related Impedance | 8 ohm |
| | Program Power (watt) | 140 W |
| | Power handling capacity (watt) | 70 W |
| | Sensitivity | 110 dB |
| | Frequency range | 1200 - 20000 Hz |
| | Diaphragm Material | PKX Polymer |
| | Suspension Material | PKX Polymer |
| | Suspension Design | Flat |
| | Minimum Impedance (ohm) | 6.50 ohm |
| | Voice Coil Diameter | 1.75 inch / 44 mm |
| | Voice Coil Material | Edgewound Aluminum |
| | Voice Coil Former Design | Straight - Kapton |
| | Number of layers | 1 |
| | Kind of layers | outside |
| | Flux Density | 2.1 T |
| | Phase Plug Design | 3 slot |
| | Phase Plug Material | PP Composite |
| | Magnetics | Neodymium |
| Thiele - small parameters | Bl factor (Bl) (T x m) | 8.00 T x m |
| Mounting information | Overall diameter | 90 mm / 3.54 inches |
| | Overall height | 47 mm / 1.85 inches |
| | Mounting | 4 x 6 mm threaded holes at 90° |
| Standard compliance | Safety agency | CE compliant |
| Size / Weight | Weight | 1.04 kg / 2.29 lbs |

Line Art 2D

