



# CDX495

DRIVER



**Description** The CDX495 is a compression driver for professional applications where high-quality sound and long-term reliability are required. The ultra-compact size, 1.75" PKX dome, and the low recommended crossover point make this transducer ideal for point source two-way cabinet designs. 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 ceramic 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, with a sensitivity of 109 dB.

- Features**
- › 1.75-inch PKX dome
  - › Kapton former
  - › 140W continuous program power handling @ 80
  - › Frequency range: 1200Hz - 20kHz
  - › 3-slot optimized geometry phase plug
  - › Copper inductance ring for extended response
  - › Ceramic magnet
  - › Recommended for 2-way speaker design

**Part Number** 15100025 CDX495 8ohm



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## DRIVER

### General specifications

#### TECHNICAL 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                    | 109 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                   | 1.8 T                          |
| Phase Plug Design              | 3 slot                         |
| Phase Plug Material            | PP Composite                   |
| Magnetics                      | Ceramic                        |
| BI factor (Bl) (T x m)         | 7.50 T x m                     |
| Overall diameter               | 134 mm / 5.28 inches           |
| Overall height                 | 56 mm / 2.2 inches             |
| Mounting                       | 4 x 6 mm threaded holes at 90° |
| Safety agency                  | CE compliant                   |
| Weight                         | 2.46 kg / 5.42 lbs             |

### Thiele - small parameters

### Mounting information

### Standard compliance

### Size / Weight

Line Art 2D

