



CDK455

DRIVER



Description The CDK455 is a compression driver for professional applications where high-quality sound and long-term reliability are required. The ultra-compact size, 1.75" Kapton® dome, and the low recommended crossover point make this transducer ideal for point source two-way cabinet designs. The new 1.75" compression driver voice-coil design with Polyimide-Kapton dome features a new bonding technology and reinforced ribs make it robust and durable. The transducer utilizes ceramic magnets and a 2-slot phase plug 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 Kapton/polyimide dome
 - › Kapton former, edge wound aluminum voice coil
 - › 140W continuous program power handling @ 80
 - › Frequency range: 1200Hz - 20kHz
 - › 2-slot optimized geometry phase plug
 - › Ceramic magnet
 - › Recommended for 2-way speaker design

Part Number 15100031 CDK455 8ohm



CDK455

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	Polyimide
Suspension Material	Polyimide
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	1.5 T
Phase Plug Design	2 slot
Phase Plug Material	PP Composite
Magnetics	Ceramic

Thiele - small parameters

Bl factor (Bl) (T x m)	5.85 T x m
------------------------	------------

Mounting information

Overall diameter	102 mm / 4.02 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	1.23 kg / 2.71 lbs
--------	--------------------

Line Art 2D

