ND840

DRIVER



Description

The ND840 is a high performance 3-inch diaphragm compression driver with a 1.4 inch exit throat featuring the smallest size of the art technology.
The diaphragm are precision completely formed from pure titanium. Voice coil assembly is designed using high temperature kapton former and it is joined to the diaphragm by RCF proprietary Direct Drive kapton technology. Diaphragm suspension is designed by extensive FEM study for low distortion and low frequency range extension.

Features

- 3-inch Diaphragm, 1.4-inch Exit Throat / Pure Titanium Compression Driver
- 220W continuous program power handling
- Frequency range: 500Hz - 20kHz
- 3-slot optimized geometry phase plug
- Titanium diaphragm
- Copper inductance ring for extended response
- Vented, damped, low distortion suspension system
- Nedymium magnet assembly

Part Number

15100004	ND840	16ohm
15129052	ND840	8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Exit Throat Diameter	1.4 inch / 36 mm
	Related Impedance	8 ohm
	Program Power (watt)	220 W
	Power handling capacity (watt)	110 W
	Sensitivity	109 dB
	Frequency range	500 - 20000 Hz
	Diaphragm Material	Pure Titanium
	Suspension Material	Pure Titanium
	Suspension Design	Double Roll
	Minimum Impedance (ohm)	7.00 ohm
	Voice Coil Diameter	3.0 inch / 76 mm
	Voice Coil Material	Edgewound Aluminum
	Voice Coil Former Design	Direct Drive Kapton
	Number of layers	1
	Kind of layers	inside/outside
	Flux Density	2.0 T
	Phase Plug Design	3 slot
	Phase Plug Material	Aluminum
	Magnetics	Neodymium
	Voice Coil Demodulation Ring	Copper
Thiele - small parameters	Bl factor (Bl) (T x m)	12.30 T x m
Mounting information	Overall diameter	115 mm / 4.53 inches
	Overall height	46 mm / 1.81 inches
	Mounting	4 x 6 mm threaded holes at 90°
Standard compliance	Safety agency	CE compliant
Size / Weight	Weight	1.4 kg / 3.09 lbs

Line Art 2D

