

# ND940

## DRIVER

### DESCRIPTION

The ND940 is a ultra compact size, high performance, high power handling 4.0-inch diaphragm compression driver with a 1.4 inch exit throat.

A thin copper ring is precision pressed on to the pole piece in order to modify and lower the inductance characteristics of the magnetic circuit and voice coil providing a controlled extension of the acoustic frequency response. The voice coil assembly is designed using a high strength, high temperature Kapton® voice coil former and edge wound copper clad aluminium wire directly joined to the diaphragm by RCF proprietary Direct Drive kapton technology. The ND940 features a 4-slot, optimised geometry, phase plug design. Extended computer assisted mathematical modelling and testing has resulted in a geometry that provides a balanced acoustic performance controlling and lowering air distortion and maximizing output.



### FEATURES

- 4.0 inch, Kapton former, edge wound aluminium voice coil
- 280W continuous program power handling
- Frequency range: 500Hz - 20kHz
- 4-slot optimized geometry phase plug
- Titanium diaphragm, Polyimide surround

## TECHNICAL SPECIFICATIONS

### General specifications

Exit Throat Diameter:	1.4 inch / 36 mm
Related Impedance:	8 ohm
Program Power (watt):	280 W
Power handling capacity (watt):	140 W
Sensitivity:	110 dB
Frequency range:	500 - 20000 Hz
Diaphragm Material:	Pure Titanium
Suspension Material:	Polymide
Suspension Design:	Flat
Minimum Impedance (ohm):	8.50 ohm
Voice Coil Diameter:	4.0 inch / 102 mm
Voice Coil Material:	Edgewound Aluminium
Voice Coil Former Design:	Direct Drive Kapton
Number of layers:	1
Kind of layers:	outside
Flux Density:	2.0 T
Phase Plug Design:	4 slot
Phase Plug Material:	Aluminium
Magnetics:	Neodymium
Voice Coil Demodulation Ring	Copper

### Thiele - small parameters

BI factor (BI) (T x m):	17.60 T x m
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### Mounting informations

Overall diameter:	146 mm / 5.75 inches
Overall height:	60 mm / 2.36 inches
Mounting:	4 x 6 mm threaded holes at 90°

### Standard compliance

CE marking:	Yes
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### Size

Weight:	3.3 kg / 7.28 lbs
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### Shipping informations

Package Height:	90 mm / 3.54 inches
Package Width:	195 mm / 7.68 inches
Package Depth:	170 mm / 6.69 inches
Package Weight:	3.3 kg / 7.28 lbs

## PART NUMBER

- **15129053**

ND940

8ohm

- **15100012**

ND 940 16 OHM

16ohm

