



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

Part Number	15100012	ND940 16 OHM	16ohm
	15129053	ND940	8ohm



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General specifications

TECHNICAL 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	Polyimide
Suspension Design	Flat
Minimum Impedance (ohm)	8.50 ohm
Voice Coil Diameter	4.0 inch / 102 mm
Voice Coil Material	Edgewound Aluminum
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	Aluminum
Magnetics	Neodymium
Voice Coil Demodulation Ring	Copper

Thiele - small parameters

Bl factor (Bl) (T x m)	17.60 T x m
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Mounting information

Overall diameter	140 mm / 5.51 inches
Overall height	60 mm / 2.36 inches
Mounting	4 x 6 mm threaded holes at 90°

Standard compliance

Safety agency	CE compliant
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Size / Weight

Weight	2.72 kg / 6 lbs
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Line Art 2D

