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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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	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
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
Size / Weight	Weight	2.72 kg / 6 lbs

Line Art 2D

