

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	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:	2.72 kg / 6 lbs
Shipping information	Package Height:	90 mm / 3.54 inches
	Package Width:	195 mm / 7.68 inches
	Package Depth:	170 mm / 6.69 inches
	Package Weight:	2.87 kg / 6.33 lbs

PART NUMBER

- **15129053**
ND940
8ohm

- **15100012**
ND940 16 OHM
16ohm



