

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
	Suspension Design:	Flat
	Minimum Impedance (ohm):	8.50 ohm
	Voice Coil Diameter:	4.0 inch / 102 mm
	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
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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°
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Standard compliance	Safety agency:	CE compliant
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Size	Weight:	2.72 kg / 6 lbs
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Shipping information	Package Height:	79 mm / 3.11 inches
	Package Width:	169 mm / 6.65 inches
	Package Depth:	171 mm / 6.73 inches
	Package Weight:	2.87 kg / 6.33 lbs

PART NUMBER

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|-------------------|-------------------|
| • 15129053 | • 15100012 |
| ND940 | ND940 16 OHM |
| 8ohm | 16ohm |



