



The CD140S is an excellent choice for professionals who are looking to achieve high sound pressure level performance and clarity of sound from compact dimensions. The compression

driver exit diameter is an industry standard 1 inch (25.4mm). The CD140S combines high BL and a lightweight diaphragm assembly to produce a very high output device that also

features extended bandwidth and well defined frequency response. The CD140S is optimised

for high performance system designs. The driver has a rated low frequency response limit of 2 kHz and features extended response to 18 kHz. The throat diameter and fixings are industry

standard and will will match to commercially available high frequency horns. The ferrite based permanent magnetic system produces a very high efficiency to weight and size ratio. This

makes the CD140S ideal for high level professional touring applications as well as high level

THE HIGH FREQUENCY DEVICES SERIES **CD-140S**

COMPRESSION DRIVER

1" / 25.4 mm SOUND CHANNEL / THROAT SIZE

40 w (A.E.S.) POWER HANDLING

105 dB SENSITIVITY (1w / 1m)

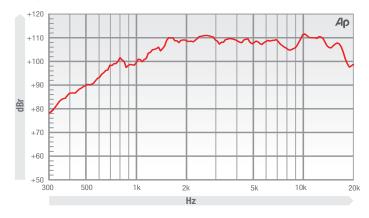
2 kHz - 18 kHz

1.75" / 44 mm Aluminium Voice Coil

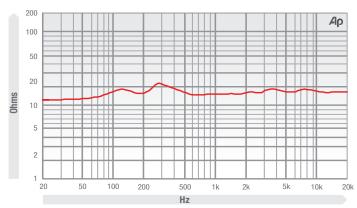
- FREQUENCY RESPONSE
- 1" exit ferrite magnet compression driver with screw fitting.
- 1.75" / 43mm copper clad aluminium voice coil.
- Titanium diaphragm with double sinusoidal roll surround (titanium).
- 40 Wrms (AES standard)
- Copper inductance ring for extended response.
- Ferrofluid cooled
- Self aligning diaphragm for easy field replacement.

FREQUENCY RESPONSE DATA*

fixed installation.



IMPEDANCE



ELECTRO ACOUSTIC SPECIFICATIONS Sound Channel / Throat Size 1" / 25.4 mm **Nominal Impedance** $8/16\Omega$ **Power Handling** 40 w (A.E.S.) Sensitivity (1 w - 1 m) 105 dB 2 kHz - 18 kHz Usable Frequency Range -6dB **Recommended Crossover Frequency** 3.5 kHz Filtered at 18dB / Octave **Effective Diaphragm Diameter** 1.75" / 44 mm Voice Coil Diameter 1.75" / 44 mm Voice Coil DC Resistance 62/1050 **Max Diaphragm Displacement** 0.016" / 0.4 mm Flux Density 1.35 Tesla **Magnet Weight** 16 oz

MOUNTING / SHIPPING INFORMATION	
Depth	1.97" / 51 mm
Weight	3.4 lb / 1.54 kg
Shipping Weight	3.6 lb / 1.64 kg
Packing Carton Dimensions	120 x 120 x 160 mm
Bolt Fixing Hole Dimensions & Otv	Screw Fit

MATERIALS OF CONSTRUCTION	
Coil Former	Polyamide
Voice Coil Material	Aluminium
Diaphragm Material	Titanium
Surround / Edge Termination	Double Sinusoidal Roll Titanium
Magnet Material	Ferrite
Connectors	6.3 mm Spade
Polarity	Positive voltage at red/ positive terminal causes positive pressure

Please enquire about alternative impedances

[•] Frequency response measurement taken on axis with 1w signal at distance of 1m using custom horn with 80° x 60° coverage.