

PD.CD1NB

COMPRESSION DRIVER



1.0" / 25.4 mm

SOUND CHANNEL / THROAT SIZE

40 W (A.E.S.)

POWER HANDLING

109 dB

SENSITIVITY (1W/ 1m)

1 kHz - 18 kHz

FREQUENCY RESPONSE

1.75" / 44 mm

VOICE COIL DIAMETER

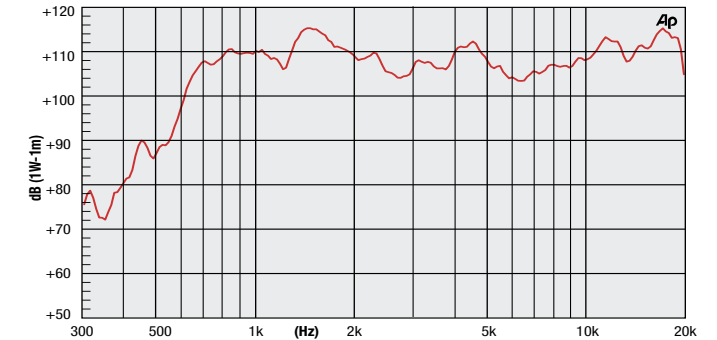


FEATURES:

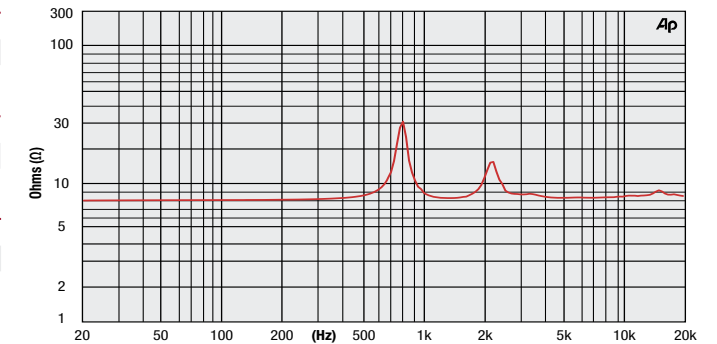
- Annular slot, optimised geometry ABS phase plug.
- 44 mm CCAR voice coil utilising high temperature Kapton former.
- PEEK diaphragm material.
- Neodymium motor structure.

The PD.CD1NB is an ideal driver for professional high performance applications that can be used in traditional 2-way systems or as part of a larger multi-way long throw system. The CD1NB features CCAR voice coil bonded to a Kapton former with PEEK diaphragm and suspension system. This offers an alternative tonality to the PD.CD1N. The neodymium motor structure allows close coupling due to the compact size and footprint. An adaptor plate is available for traditional Flare PCD fixings.

FREQUENCY RESPONSE AND IMPEDANCE CHARTS



Measurement taken on custom horn.



1. AES standard practice with high pass filter set at specified lower limiting frequency for two hours.

2. Sensitivity is measured with applied pink noise Rms Voltage set to 2.83V for nominal 8 ohms impedance and measurement taken at 1 meter from mouth of horn. Average SPL taken between 1000 Hz to 19 kHz.

3. Frequency range is defined as measured frequency-10dB to rated sensitivity.

GENERAL SPECIFICATIONS

Sound Channel / Throat Size	1.0" / 25.4 mm
Voice Coil Diameter	2.50" / 63.65 mm
Available Impedances	8 Ohm / 16 Ohm
Power Rating (above 1kHz) ¹	40 W (A.E.S.)
Sensitivity (1W - 1m, on axis, on horn) ²	109 dB
Frequency Range ³	1 kHz - 18 kHz
Recommended Crossover Frequency (Filtered at 18 dB/ Octave)	1900 Hz
Minimum Impedance	2.5 kHz - 7.5 Ω
Voice Coil Material	CCAR
Coil Former Material	Kapton
Flux Density	1.8 Tesla
Diaphragm Material	PEEK
Suspension Material	PEEK
Surround / Edge Termination	Flat
Phase Plug Design	Annular
Phase Plug Material	ABS
Magnet Material	Neodymium
Connector Type	Solder Tab

DIMENSIONS

Overall Diameter	85 mm
Overall Height	41 mm

MOUNTING INFORMATION

Fitting	2 x 6 mm threaded holes
Mounting PCD	76 mm

WEIGHT

Nett Weight	0.85 kg / 1.87 lb
Shipping Weight	1.00 kg / 2.20 lb