

PD.CD1.53N

COMPRESSION DRIVER



1.5" / 38.1 mm
SOUND CHANNEL / THROAT SIZE

105 W (A.E.S.)
POWER HANDLING

111 dB
SENSITIVITY (1W/ 1m)

500 Hz - 18 kHz
FREQUENCY RESPONSE

2.84" / 72.2 mm
VOICE COIL DIAMETER

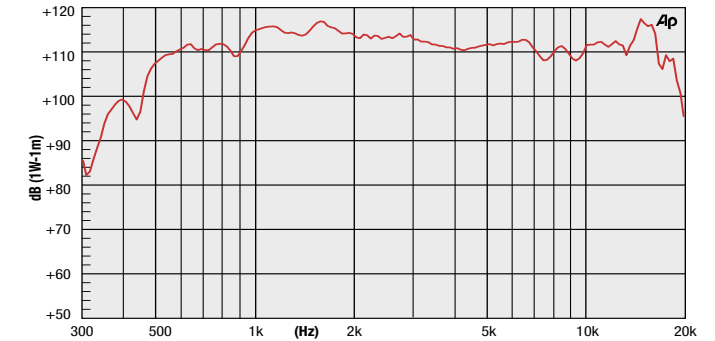


FEATURES:

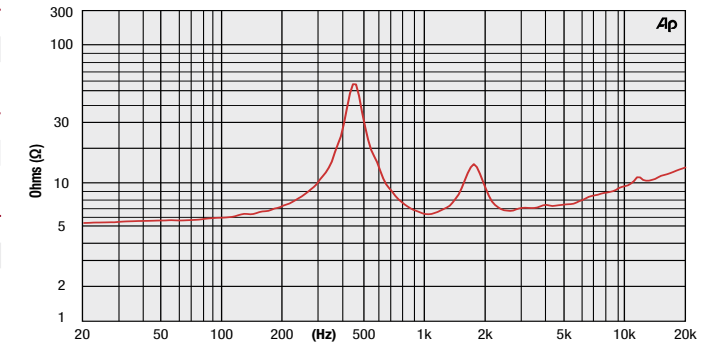
- Radial neodymium motor structure design.
- Individually hand built, precision machined aluminium phase plug.
- Three slot optimised geometry phase plug design enhances frequency response and tonal performance.
- 72.2 mm aluminium voice coil utilising high temperature kapton former.
- Pure titanium diaphragm for strength and durability at high SPL offers bright extended output.
- Integrate with our bass and mid range drivers to provide the ultimate PD sound experience.

The PD.CD1.53N 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 individually precision machined and hand assembled three slot, optimised geometry phase plug design enhances tonal performance while minimising sound wave cancellations throughout the working bandwidth.

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 metre from mouth of horn. Average SPL taken between 2000 to 10000 Hz.

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

GENERAL SPECIFICATIONS

Sound Channel / Throat Size	1.5" / 38.1 mm
Voice Coil Diameter	2.84" / 72.2 mm
Available Impedances	4 Ohm / 8 Ohm / 16 Ohm
Power Rating (above 1kHz) ¹	105 W (A.E.S.)
Sensitivity (1W - 1m, on axis, on horn) ²	111 dB
Frequency Range ³	500 Hz - 18 kHz
Recommended Crossover Frequency (Filtered at 18 dB/ Octave)	1600 Hz
Minimum Impedance	2.9 kHz - 6.8 Ω
Voice Coil Material	Aluminium
Coil Former Material	Kapton
Flux Density	1.8 Tesla
Diaphragm Material	Titanium
Suspension Material	Titanium
Surround / Edge Termination	Array
Phase Plug Design	3 Slot
Phase Plug Material	Aluminium
Magnet Material	Neodymium
Connector Type	Push Button Spring Terminals

DIMENSIONS

Overall Diameter	140 mm
Overall Height	73 mm

MOUNTING INFORMATION

Fitting	4 x 6 mm threaded holes @ 180°
Mounting PCD	101.6 mm

WEIGHT

Nett Weight	2.3 Kg / 5.07 lb
Shipping Weight	2.45 Kg / 5.4 lb