

PD.CD1.53

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

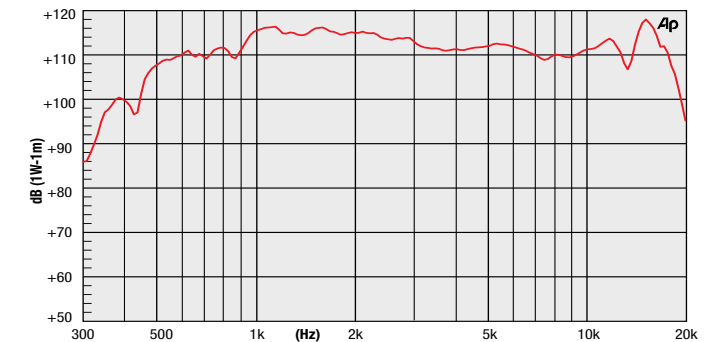


FEATURES:

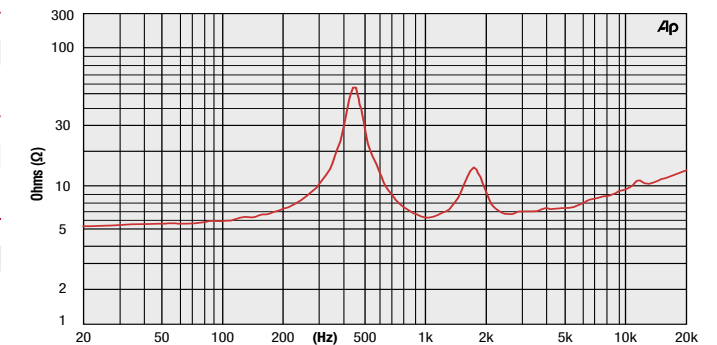
- Hand built, precision machined aluminium phase plug.
- Three slot optimised geometry phase plug design enhances frequency response and tonal performance.
- 72.2 mm aluminium voice coil utilising high temperature kapton former.
- Pure titanium diaphragm for strength and durability at high SPL offers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

The PD.CD1.53 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 - 7.2 Ω |
| Voice Coil Material | Aluminium |
| Coil Former Material | Kapton |
| Flux Density | 1.8 Tesla |
| Diaphragm Material | Titanium |
| Suspension Material | Titanium |
| Surround / Edge Termination | Progressive |
| Phase Plug Design | 3 Slot |
| Phase Plug Material | Aluminium |
| Magnet Material | Ceramic |
| Connector Type | Push Button Spring Terminals |

DIMENSIONS

| | |
|------------------|--------|
| Overall Diameter | 170 mm |
| Overall Height | 67 mm |

MOUNTING INFORMATION

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

WEIGHT

| | |
|-----------------|--------------------|
| Nett Weight | 4.98 Kg / 10.98 lb |
| Shipping Weight | 5.13 Kg / 11.31 lb |