

# PD.615C002

## MID RANGE DRIVER



**6.5" / 165 mm**

NOMINAL DIAMETER

**140 W (A.E.S.)**

POWER HANDLING

**105 dB**

SENSITIVITY (1W/ 1m)

**600 Hz - 10 kHz**

FREQUENCY RESPONSE

**1.5" / 38.1 mm**

VOICE COIL DIAMETER

**2.50 mm Xmax**

MAXIMUM LINEAR EXCURSION

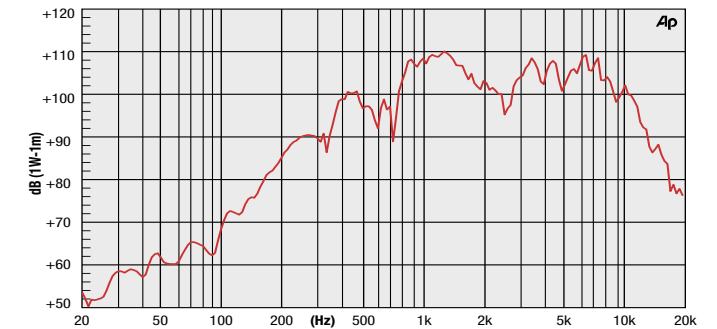


### FEATURES:

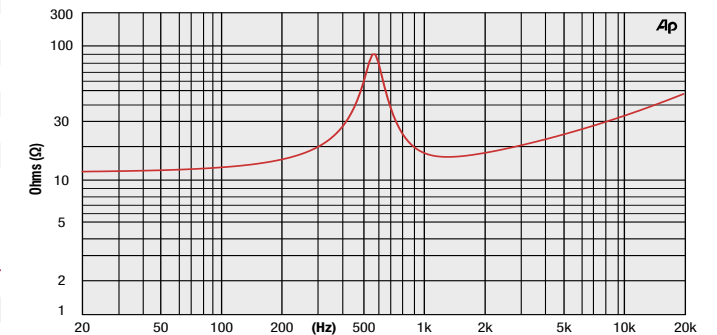
- For use with custom designed waveguide.
- Sealed chassis offers this unit independence from main enclosure.
- Deep cone profile.

Designed for use with custom designed waveguide to provide outstanding mid range and extended response.

### FREQUENCY RESPONSE AND IMPEDANCE CHARTS



\*2.83V. Half space response.



### GENERAL SPECIFICATIONS

Nominal Diameter	6.5" / 165 mm	Magnet Gap Depth	6.0 mm / 0.24"
Voice Coil Diameter	1.5" / 38.1 mm	Flux Density	1.85 Tesla
Available Impedances	4 Ohm / 8 Ohm / 16 Ohm	Magnet Material	Ceramic
Power Rating <sup>1,2</sup>	140 W (A.E.S.)	Voice Coil Material	Copper
Peak Power (6dB Crest Factor)*	560 W (A.E.S.)	Former Material	Glass Fibre
Sensitivity (1W - 1m)*	105 dB	Dust Dome Material	Felt
Frequency Range	600 Hz - 10 kHz	Suspension Material	Poly Cotton
Recommended Enclosure Volume	N/A	Cone / Surround Material	Paper / Fabric
Resonance	580 Hz		
Voice Coil Winding Depth	8.20 mm / 0.32"		

### THIELE SMALL Parameters (8 Ω MODEL)<sup>3</sup>

Fs	580 Hz	Mms	N/A
Re	13.5 Ω	Sd	132.73 cm <sup>2</sup>
Qms	N/A	Cms	N/A
Qes	N/A	BL	18.20 T/m
Qts	N/A	Xmax	2.50 mm
Le (@ 1 kHz)	2.175 mH	Vd	0.038 Litres
Le (@ 10 kHz)	0.460 mH	Ref. Efficiency	6.20%
Vas	N/A	EBP	N/A

### WEIGHT

Nett Weight	4.90 Kg / 10.80 lb
Shipping Weight	5.30 Kg / 11.68 lb

### DIMENSIONS

Overall Diameter	200.0 mm
Width Across Flats	163 mm
Flange Height	8.5 mm
Depth (Excl. Flange)	74.00 mm
Magnet Diameter	154 mm

### MOUNTING INFORMATION

Chassis Shoulder Diameter	162.0 mm
Outer Bolt Circle	x6 M5 180 mm PCD

<sup>1</sup> Power compression is the reduction of sensitivity at the specified power. Higher power ratings do not necessarily give a proportionate increase in SPL therefore the maximum SPL of the driver may significantly exceed that of other manufacturers with high power ratings.  
<sup>2</sup> Distortion is measured at 10% of the rated power (AES Standard).

1. AES Standard (600 to 6000 Hz) Program 140 Watts.  
2. AES Recommended Practice.  
3. Thiele - Small Parameters follow a 140 Watt preconditioning period.

Please note that frequency response measurements are supplied for comparison purposes only and are not a measure of the low frequency performance which may be achievable in a fully optimised system.