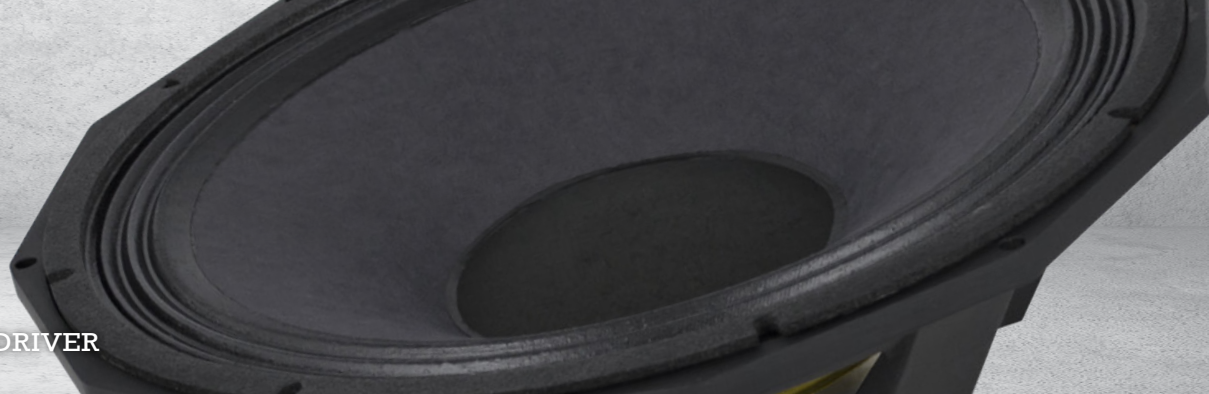


# PDN.15SB40

| SUB BASS DRIVER



**15" / 380 mm**

NOMINAL DIAMETER

**600 w (A.E.S.)**

POWER HANDLING

**98 dB**

SENSITIVITY

**40 Hz - 3 kHz**

FREQUENCY RESPONSE

**4.0" / 101 mm**

VOICE COIL DIAMETER

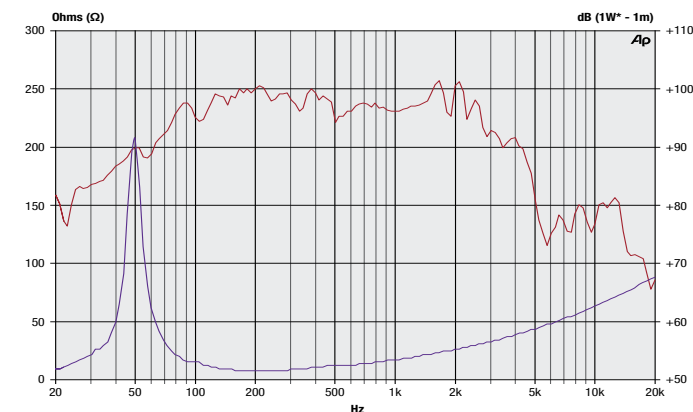
**6 mm Xmax**



## PRODUCT FEATURES

- ▶ Heavy-duty cast aluminium chassis for increased rigidity.
- ▶ Easy integration with 1" or 2" compression drivers.
- ▶ Effective transducer in a variety of versatile applications.
- ▶ A B/L in excess of 28 T/m.
- ▶ Also suitable for 1x15" or 2x15" horn loaded/bandpass sub bass designs.
- ▶ Lightweight neodymium magnet assembly.

## FREQUENCY RESPONSE AND IMPEDANCE CURVE



\*2.83V. Half space response measured in a 975 Litre sealed enclosure.

## SPECIFICATIONS

Nominal Diameter	380 mm / 15"
Voice Coil Diameter	101 mm / 4.0"
Available Impedances	4 Ohms/ 8 Ohms/ 16 Ohms
Power Rating	600 w (A.E.S.)
Peak Power (6dB Crest Factor)	2400 w (A.E.S.)
Sensitivity (1w - 1m)	98 dB
Frequency Range	40 Hz - 3 kHz
Recommended Enclosure Volume	60 - 200 Litres
Resonance	50.21 Hz
Voice Coil Winding Depth	19 mm / 0.75"
Magnet Gap Depth	11 mm / 0.43"
Flux Density	1.2 Tesla
Magnet Material	Neodymium
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Dual Fabric
Cone / Surround Material	Paper / Fabric

## THIELE SMALL PARAMETERS (8Ω MODEL)

Fs	50.21 Hz	Vas	83.45 litres
Re	5.87 Ω	Mms	123.76 g
Qms	14.94	Sd	855.3 cm <sup>2</sup>
Qes	0.28	Cms	81.33 μm/N
Qts	0.27	BL	28.7 T/m
Le	0.78 mH	Xmax	6 mm
L2	2.12 mH	Vd	0.497 litres
R2	18.85 Ω	Ref. Efficiency	5.08 %

\*1 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.

1. A.E.S. Standard (45 to 450 Hz).
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 600 Watt A.E.S. 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.

## DIMENSIONS

Overall Diameter	410 mm
Width Across Flats	395 mm
Flange Height	10 mm
Depth (Excl. Flange)	145 mm
Magnet Diameter	182 mm

## MOUNTING INFORMATION

Chassis Shoulder Diameter	357 mm
Outer Bolt Circle	6x M6 on 395 mm PCD
Inner Bolt Circle	8x M6 on 370 mm PCD

## WEIGHT

Nett Weight	7.7 Kg / 16.98 lb.
Shipping Weight	8.7 Kg / 19.18 lb.