

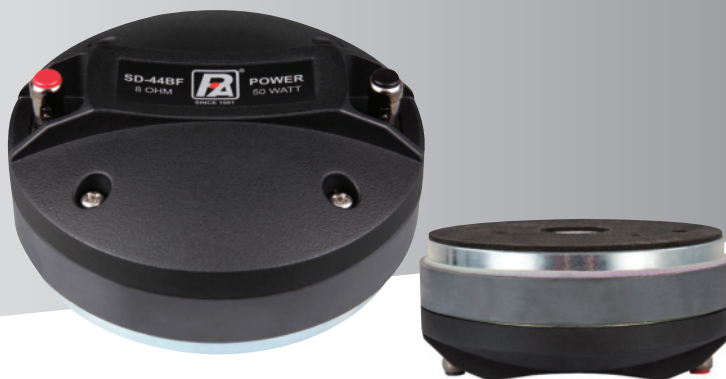
# SD SERIES

# SD-44BF

Ferrite Magnet Compression Driver

## Features

- 100 W continuous program power capacity
- 1" Horn Throat diameter
- 44 mm (1.75 inch) voice coil
- Titanium Diaphragm
- 1200 - 20000 Hz respons
- 105 dB sensitivity



The P Audio SD-44BF is a medium format compression driver that utilizes a precision formed diaphragm assembly. The titanium diaphragm is precision formed to insure excellent consistency and performance. The diaphragm assembly is close spaced to a precision phase plug to insure excellent acoustic loading. The SD-44BF has an operating range of 1200Hz to 20000Hz and is ideally suited for two way and three way high frequency applications in professional sound reinforcement systems.

The SD-44BF is a ferrite based magnetic system with an industry standard 1 inch (25.4mm) exit diameter. The mounting configuration is a standard "bolt on" style. P Audio offers a wide variety high frequency horns that will provide excellent pattern control and acoustic loading for the SD-44BF.

The diaphragm assembly is a 1.75 inch (44.4mm) diameter commercially pure titanium design and utilizes P Audio's very high temperature adhesive systems and precision manufacturing to insure high power handling and reliability. The construction yields a full 50 watts of power handling capacity. The larger diaphragm diameter (1.75 inch) provides superior mid band response and is an excellent choice for medium power professional sound reinforcement systems.

## General Specifications

Throat Diameter	25.4 mm (1.0 in)
Nominal Impedance	8 $\Omega$
Nominal Power Handling	50 W(AES)
Continuous Program Power Capacity	100 W
Sensitivity	105 dB
Frequency Range	1200-20000 Hz
Voice Coil Diameter	44.4 mm (1.75 in)
Winding Material	AL-R
Recommended Crossover	1500 kHz
Diaphragm Material	Titanium
Flux Density	1.7T
Magnet Material	Ferrite
Mounting Type	Bolt On

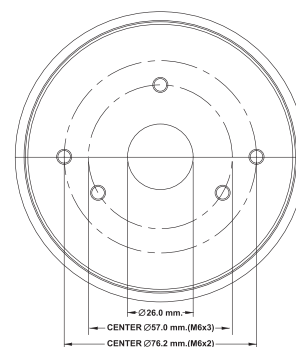
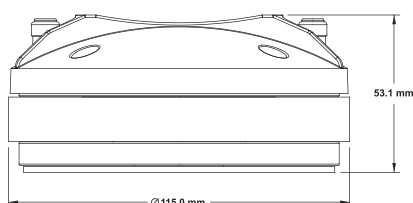
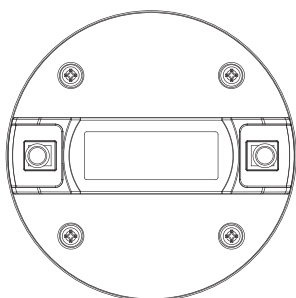
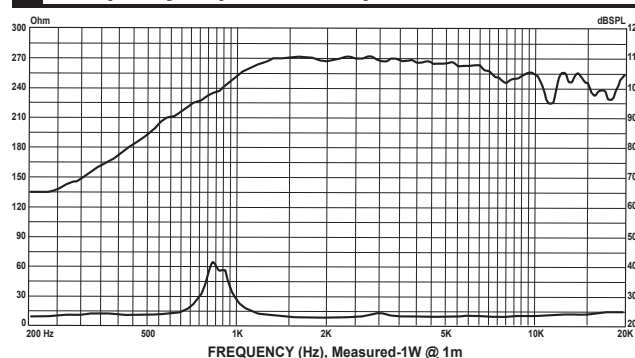
## Mounting and Shipping Info

Overall Diameter	115 mm (4.5 in)
Mounting hole diameter	3xM6 PCD 57mm / 2xM6 PCD 76.2mm
Depth	53.1 mm (2.0 in)
Net Weight	1.6 kg
Shipping Units	12 pcs
Shipping Weight	20.8 kg
Shipping Box	380 x 260 x 170 mm

## Service Kit

Replacement Coil	F05029000751PAA
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## Frequency response and Impedance curve



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