

Ferrite Magnet Die-cast Chassis Driver



Specifications

General Specifications

Nominal diameter.....	165 mm/6.5 in
Power rating.....	150 W(AES)
Nominal impedance.....	8Ω
Sensitivity.....	90 dB
Frequency range.....	80-3000 Hz
Chassis type.....	Cast aluminum
Magnet type.....	Ferrite
Magnet weight.....	2.6 kg/92.1 oz
Voice coil diameter.....	44.5 mm/1.75 in
Coil material.....	SV-W
Former material.....	Kapton
Cone material.....	Paper
Surround material.....	Rubber
Suspension.....	Single
X-max.....	3 mm/0.12 in
Gap depth.....	6 mm/0.24 in
Voice coil winding width.....	12 mm/0.47 in
Net Weight.....	1.8 kg/4.0 lb
Packing Dimension WxDxH.....	175 x 175 x 175 mm
Shipping Weight.....	2.0 kg/4.4 lb

Small Signal Parameters

Re.....	5.5Ω
Fs.....	71 Hz
Mms.....	12.88 g/0.45 oz
Mmd.....	11.91 g/0.42 oz
Qms.....	5.17
Qes.....	0.40
Qts.....	0.37
Vas.....	11.20 lt/0.40 ft ³
Bl.....	8.94 Tm
Cms.....	3.9e-04 m/N
Rms.....	1.11 Ns/m
Le (at 1kHz).....	0.42 mH
Sd.....	143 cm ²

Features

- 1.75" Voice Coil
- 600 Watts Peak Power Handling
- Ferrite Magnetics
- Precision Circular Wire Geometry
- Die Cast Aluminum Chassis

Applications

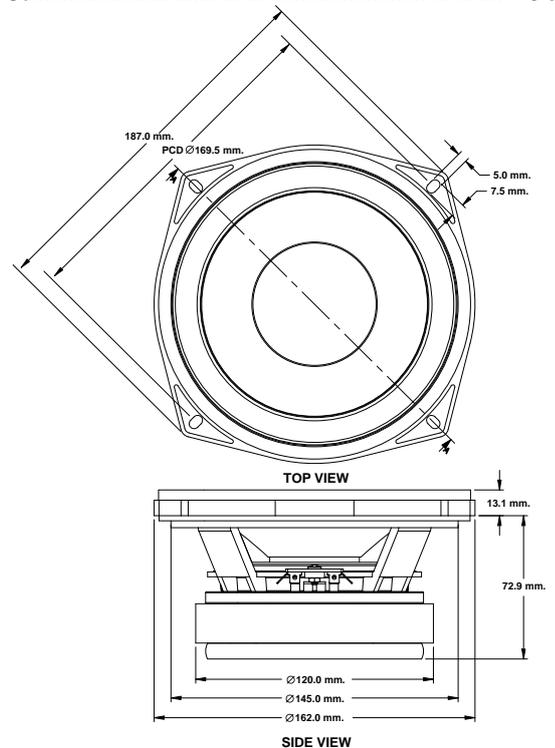
The P Audio SN6-150MB is a high performance wide bandwidth transducer optimized for use in mid bass frequencies. The SN6-150MB is an upgraded design that features many of P Audio's new technologies and performance upgrades. The 6.5 inch (165mm) diameter piston will produce extremely high sound pressure levels at both low and mid band frequencies and is ideal for high level response in both live sound and recorded music venues. The transducer uses very high energy ferrite magnetics to achieve a very high acoustic output to weight ratio. The SN6-150MB has been optimized for use in two way or three way sound reinforcement systems and has an operating range of 80Hz to 3000Hz.

The SN6-150MB features a 1.75 inch (44.5mm) diameter voice coil that provides an AES rated 150 watts of continuous power handling and a full 600 watts of peak rated power handling when sufficient amplifier headroom is available. The SN6-150MB utilizes P Audio's Auto Balanced Cooling (ABC) technology to not only improve transducer power handling and reliability but to also increase power compression performance by carefully balancing and directing airflow to critical areas.

The voice coil design is a bobbin wound geometry with P Audio's precision round wire technology to maximize system conversion efficiency.

The cone suspension is a high internal damping rubber design.

The transducer chassis is a die cast aluminum design that insures a very high degree of structural integrity.



Frequency Response and Impedance Curves

