

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.....	93 dB
Frequency range.....	60-20000 Hz
Chassis type.....	Cast aluminum
Magnet type.....	Ferrite
Magnet weight.....	0.85 kg/29.9 oz
Voice coil diameter.....	44.5 mm/1.75 in
Coil material.....	CCA-W/AL-R
Former material.....	Kapton
Cone material.....	Paper
Surround material.....	Rubber
Suspension.....	Single
X-max.....	3.75 mm/0.15 in
Gap depth.....	.6 mm/0.24 in
Voice coil winding width.....	13.5 mm/0.53 in
Net Weight.....	3 kg/6.6 lb
Packing Dimension WxDxH.....	170 x 170 x 160 mm
Shipping Weight.....	3.3 kg/7.3 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.....	11.2 lt/0.39 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

- Coaxial Two Way Design
- 1.75" Woofer Voice Coil
- 600 Watts Peak Woofer Power Handling
- Small Format Titanium Compression Driver
- Ferrite Magnetics
- Precision Circular Wire Geometry
- Die Cast Aluminum Chassis

Applications

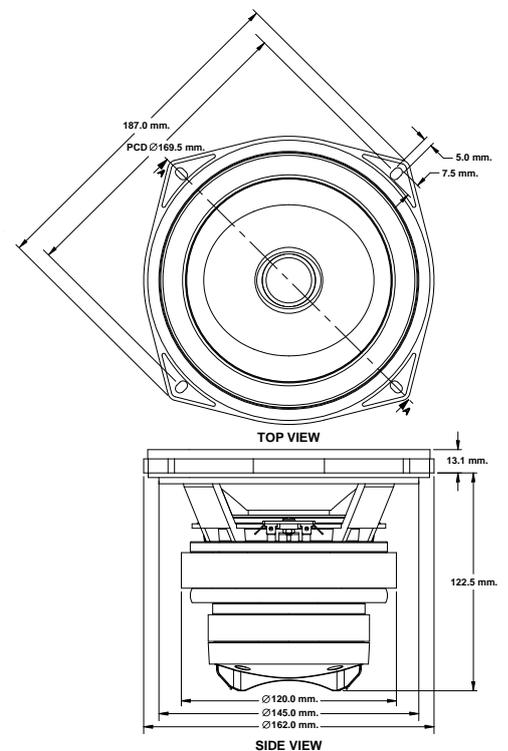
The P Audio SN6-150CX is a high performance coaxial transducer. The SN6-150CX is an upgraded design that features many of P Audio's new technologies and performance upgrades. The low frequency section utilizes a large diameter voice coil design while the high frequency section employs a medium format titanium diaphragm assembly. 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 SN6-150CX has been optimized for use in two way or three way sound reinforcement systems and has an operating range of 60Hz to 20000Hz.

The SN6-150CX 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 SN6-150CX employs P Audio's under damper venting to control turbulent air flow.

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

The high frequency section is a close spaced titanium diaphragm assembly. The diaphragm is a 1.34 inch (34mm) diaphragm that provides excellent high frequency response and superior power handling and durability. The horn loading is a thru pole piece design. The overall high frequency design provides very high sensitivity.

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



Frequency Response and Impedance Curves

