

Ferrite Magnet Steel Chassis Driver



Features

- 2" Voice Coil
- 600 Watts Peak Power Handling
- Ferrite Magnetics
- Precision Circular Wire Geometry
- Stamped Steel Chassis

Applications

The P Audio E8-150S is a high performance wide bandwidth transducer optimized for use in mid bass frequencies. The E8-150S is an upgraded design that features many of P Audio's new technologies and performance upgrades. The 8 inch (203mm) 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 high acoustic output to weight ratio. The E8-150S has been optimized for use in two way or three way sound reinforcement systems and has an operating range of 60Hz to 3000Hz.

The E8-150S features a 2 inch (51.3mm) 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 voice coil design is a bobbin wound geometry with P Audio's precision round wire technology to maximize system conversion efficiency.

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

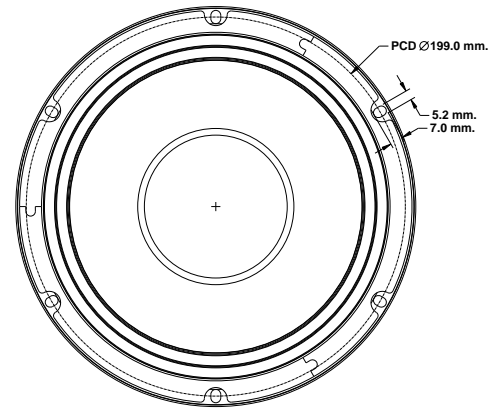
Specifications

General Specifications

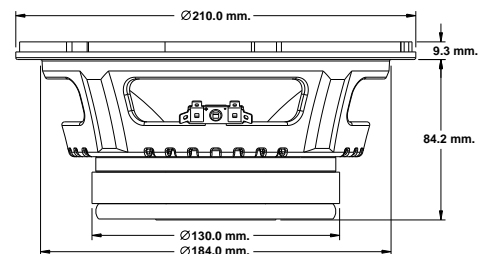
Nominal diameter.....	203 mm/8 in
Power rating.....	150 W(AES)
Nominal impedance.....	.8Ω
Sensitivity.....	93 dB
Frequency range.....	60-3000 Hz
Chassis type.....	Heavy Duty Stamp Steel
Magnet type.....	Ferrite
Magnet weight.....	0.88 kg/31.2 oz
Voice coil diameter.....	51.3 mm/2 in
Coil material.....	SV-W
Former material.....	Kapton
Cone material.....	Paper
Surround material.....	Cloth
Suspension.....	Single
X-max.....	3.75 mm/0.15 in
Gap depth.....	.8 mm/0.31 in
Voice coil winding width.....	15.5 mm/0.61 in
Net Weight.....	2.8 kg/6.2 lb
Packing Dimension WxDxH.....	225 x 225 x 120 mm
Shipping Weight.....	3.3 kg/7.3 lb

Small Signal Parameters

Re.....	5.8 Ω
Fs.....	62 Hz
Mms.....	24.2 g/0.85 oz
Mmd.....	22.2 g/0.78 oz
Qms.....	2.54
Qes.....	0.40
Qts.....	0.35
Vas.....	19.81 lt/0.70 ft ³
Bl.....	11.69 Tm
Cms.....	2.7e-04 m/N
Rms.....	3.72 Ns/m
Le (at 1kHz).....	0.62 mH
Sd.....	227 cm ²



TOP VIEW



SIDE VIEW

Frequency Response and Impedance Curves

