SINCE 1991

SN™ Series

SN3-30N

Neodymium Magnet Die-cast Chassis Driver

Features

- Ultra Small Format Woofer/Full Range Design
- Nominal 3” Diameter
- 120 Watts Peak Power Handling
- Neodymium Magnetics
- Precision Circular Wire Geometry
- Die Cast Aluminum Chassis

Applications

The SN3-30N is an ultra small format wide bandwidth transducer. The 3 inch (76mm) diameter piston will produce excellent background music and speech reproduction. The small physical dimensions of the SN3-30N allow the transducer to be used in very small enclosures. The device may also be used in multiple array configurations and the center to center dimensions when the units are close spaced allows for lobe free reproduction thru the critical vocal range. The transducer uses high energy neodymium magnetics to achieve a very high acoustic output to weight ratio.

The SN3-30N employs a large 0.8 inch (20.4mm) diameter voice coil that provides an AES rated 30 watts of continuous power handling and a full 120 watts of peak rated power handling when sufficient amplifier headroom is available. The SN3-30N utilizes P Audio’s under damper venting technology to reduce turbulent airflow near the voice coil.

The voice coil design is P Audio’s precision circular wire technology that provides good conversion efficiency and high thermal power handling.

The cone design is Kevlar fiber composite that insures wide band piston range response and stability. The cone surround is a half roll rubber geometry.

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

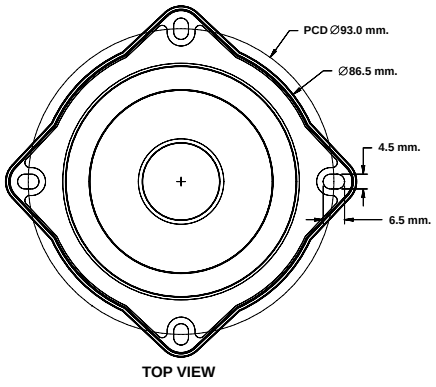
Specifications

General Specifications

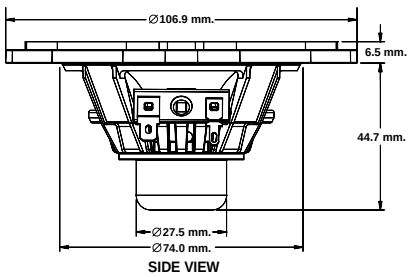
Nominal diameter	76 mm/3 in
Power rating	30 W*(AES)*
Nominal impedance	8Ω
Sensitivity	86 dB
Frequency range	100-18,000 Hz
Chassis type	Cast aluminum
Magnet type	Neodymium
Magnet weight	0.043 kg/1.5 oz
Voice coil diameter	20.4 mm/0.8 in
Coil material	SV-W
Former material	Aluminum
Cone material	Kevlar Fiber
Surround material	Rubber
Suspension	Single
X-max	1.25 mm/0.049 in
Gap depth	3 mm/0.12 in
Voice coil winding width	5.5 mm/0.22 in
Net Weight	0.135 kg/0.3 lb
Packing Dimension WxDxH	290 x 290 x 270 mm
Shipping Weight (36 Pcs)	6.7 kg/14.8 lb

Small Signal Parameters

Re	5.8Ω
Fs	127 Hz
Mms	2.23 g/0.08 oz
Mmd	2.12 g/0.08 oz
Qms	2.35
Qes	0.76
Qts	0.57
Vas	1.104 lt/0.04 ft³
BI	3.69 Tm
Cms	7.2e-02 m/N
Rms	0.76 Ns/m
Le (at 1kHz)	0.07 mH
Sd	33 cm2



TOP VIEW



SIDE VIEW

Frequency Response and Impedance Curves