

Full Range Loudspeakers

AF3010

3-inch ferrite-magnet compact full-range driver







- Specially treated weather-resistant cone
- Half roll elastomer surround
- Rising HF response

General Specifications

 $\begin{array}{lll} \mbox{Nominal Diameter} & 75\mbox{mm / 3in} \\ \mbox{Power Rating} & 35\mbox{W} \\ \mbox{Continuous power rating} & 70\mbox{W} \\ \mbox{Rated impedance} & 16\mbox{\,}\Omega \\ \mbox{Sensitivity} & 87\mbox{dB} \\ \end{array}$

Frequency range 120-18,000Hz Chassis type Pressed steel

Magnet type Ferrite

Magnet weight 0.228kg / 8oz
Voice coil diameter 25mm / 1in
Voice coil material Round copper
Former material Polyimide

Cone material Waterproof coated pa

per

Surround material Elastomer
Suspension Single
Gap height (Hg) 5mm / 0.2in
VC winding height (Hvc) 8mm / 0.31in

Mounting Information

Overall diameter 81mm / 3.19in
Overall depth 57mm / 2.2in
Cut-out diameter 72mm / 2.8in

Mounting hole dimensions 6x4.5mm / 0.24x0.18i

n

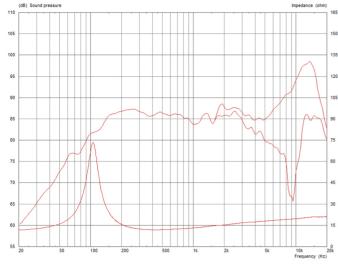
Number of mounting holes

Mounting hole PCD 91.3-93mm / 3.59-3.6

5in

Unit weight 580g / 1.3lb

Frequency Response and Impedance curves



Topmost curve: Frequency Response on axis | Secondary curve: Frequency Response at 45° off axis

Power rating: Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.

Continuous power rating: Defined as 3dB greater than the AES rating.

Sensitivity: Measured on axis at 1W, 1m in 2 anechoic environment.

Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

Parameters: Measured after unit subjected to pre-conditioning signal.

Parameters

Sd 33.18cm2 / 5.14in2

Fs 128.9Hz

Mms 3.55g / 0.13oz

 $\begin{array}{c} \text{Qms} & \qquad \qquad 6.096 \\ \text{Qes} & \qquad 0.843 \\ \text{Qts} & \qquad 0.740 \\ \text{Re} & \qquad 10.48\,\Omega \end{array}$

Vas 0.67I / 0.02ft 3

 Bi
 5.98Tm

 Cms
 0.43mm/N

 Rms
 0.47kg/s

 Le (at 1kHz)
 0.26mH

Xmax 2.75mm / 0.11in

Packed Dimensions & Weight

Multi pack qty 48

Multi pack size W x D x H 680mm x 260mm x 150m

m / 26.7in x 10.2in

x 5.9in

Multi pack weight 34kg / 75lb

