

Full Range Loudspeakers

AF4010

4-inch ferrite-magnet compact full-range driver



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

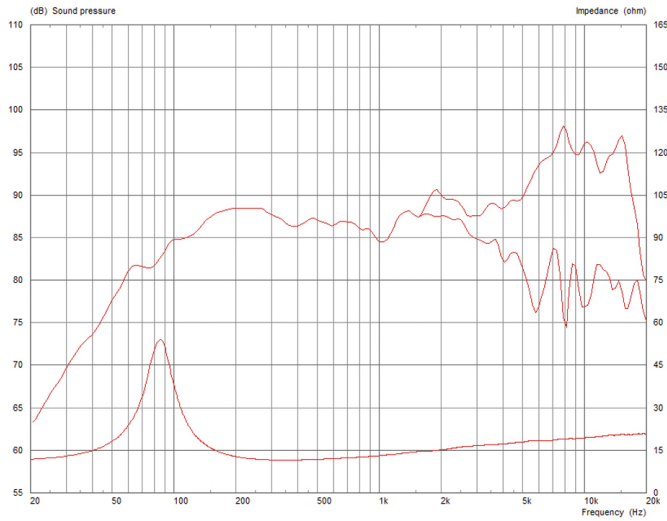
General Specifications

Nominal Diameter	100mm / 4in
Power Rating	35W
Continuous power rating	70W
Rated impedance	16 Ω
Sensitivity	88dB
Frequency range	100-16,000Hz
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 paper
Surround material	Elastomer
Suspension	Single
Gap height (Hg)	5mm / 0.2in
VC winding height (Hvc)	8mm / 0.31in
Additional impedances	8

Mounting Information

Overall diameter	100.5mm / 3.96in
Overall depth	62mm / 2.4in
Cut-out diameter	92mm / 3.6in
Mounting hole dimensions	8.5x4.5mm / 0.33x0.18in
Number of mounting holes	4
Mounting hole PCD	111-115mm / 4.37-4.53in
Unit weight	620g / 1.4lb

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.

$X_{max} = 0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

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

Parameters

Sd	56.75cm ² / 8.8in ²
Fs	104.7Hz
Mms	4.95g / 0.17oz
Qms	5.306
Qes	0.951
Qts	0.807
Re	10.37Ω
Vas	2.13l / 0.08ft ³
Bi	5.96Tm
Cms	0.47mm/N
Rms	0.61kg/s
Le (at 1kHz)	0.37mH
Xmax	2.75mm / 0.11in

Packed Dimensions & Weight

Multi pack qty	48
Multi pack size W x D x H	420mm x 300mm x 300mm / 16.5in x 11.8in x 11.8in
Multi pack weight	35kg / 77lb

CELESTION