



Compact Array

(<http://celestion.com/dealers/>)

AN3510



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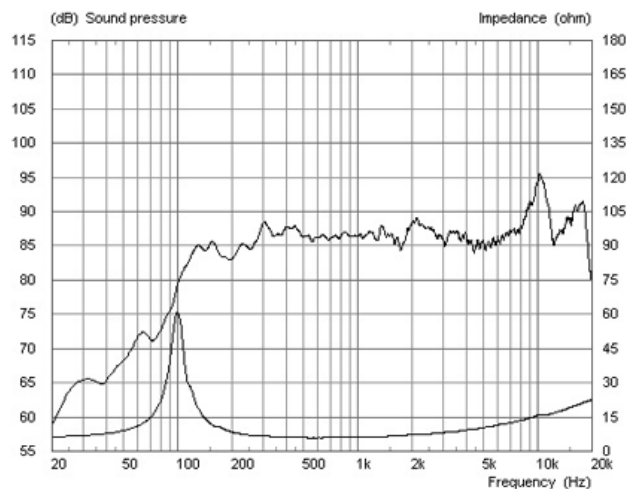
Features

(http://celestion.com/images/products/12/an3510_zoom1.png)

- Compact and lightweight, full-range neodymium loudspeakers
- Advanced Finite Element Analysis techniques used for mechanical and electromagnetic modelling

- Ideal for applications such as portable line arrays where actively controlled wavefront (beam steering) is used
- Delivers wider dispersion to higher frequencies than many equivalent compact, full-range drivers on the market
- Chassis purpose-designed for maximum free air movement, with square mounting frame to facilitate close coupling of multiple units
- Stiff and light aluminium cone remains rigid to higher frequencies, delivering a smoother response in the critical listening band
- Half roll elastomer surround provides damping for unwanted resonances and sustained centring control at extremes of excursion
- Designed to be weather resistant for outdoor applications

8Ω Frequency Response



1. 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.
2. Measured on axis at 1W, 1m in 2π anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

General Specifications

Nominal diameter	3.5"/88mm
Power rating ¹	35Wrms
Nominal impedance	8Ω
Sensitivity ²	87dB
Frequency range	98Hz-18.5kHz
Voice coil diameter	25mm/1.0in
Chassis type	Glass reinforced ABS
Magnet type	Neodymium
Coil material	Round Copper
Former material	Polyimide
Cone material	Aluminium
Surround material	Elastomer
Xmax ³	1.25mm/0.04in
Gap depth	4mm/0.14in
Voice coil winding width	6.5mm/0.23in
Voice coil material	Round Copper
Voice coil former material	Polyimide
Bandwidth	125Hz-20kHz

Small Signal Parameters

D	70mm/2.76in
Fs	98Hz
Mms	3.37g/0.12oz
Qms	6.59
Qes	0.66
Qts	0.67
Re	5.73Ω
Vas	1.3lt/0.046ft3
Bl	4.5
Cms	0.62mm/N
Sd	38.48cm2/5.98in2

Mounting Information

Overall depth	2"/50mm
Overall size	3.52" x 3.52"/89.3 x 89.3mm
Cut-out diameter	3.1"/78.8mm
Fitting	4 x M4 holes
Mounting PCD range	Ø4.1"/104mm
Unit weight	160g/5.65oz



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