

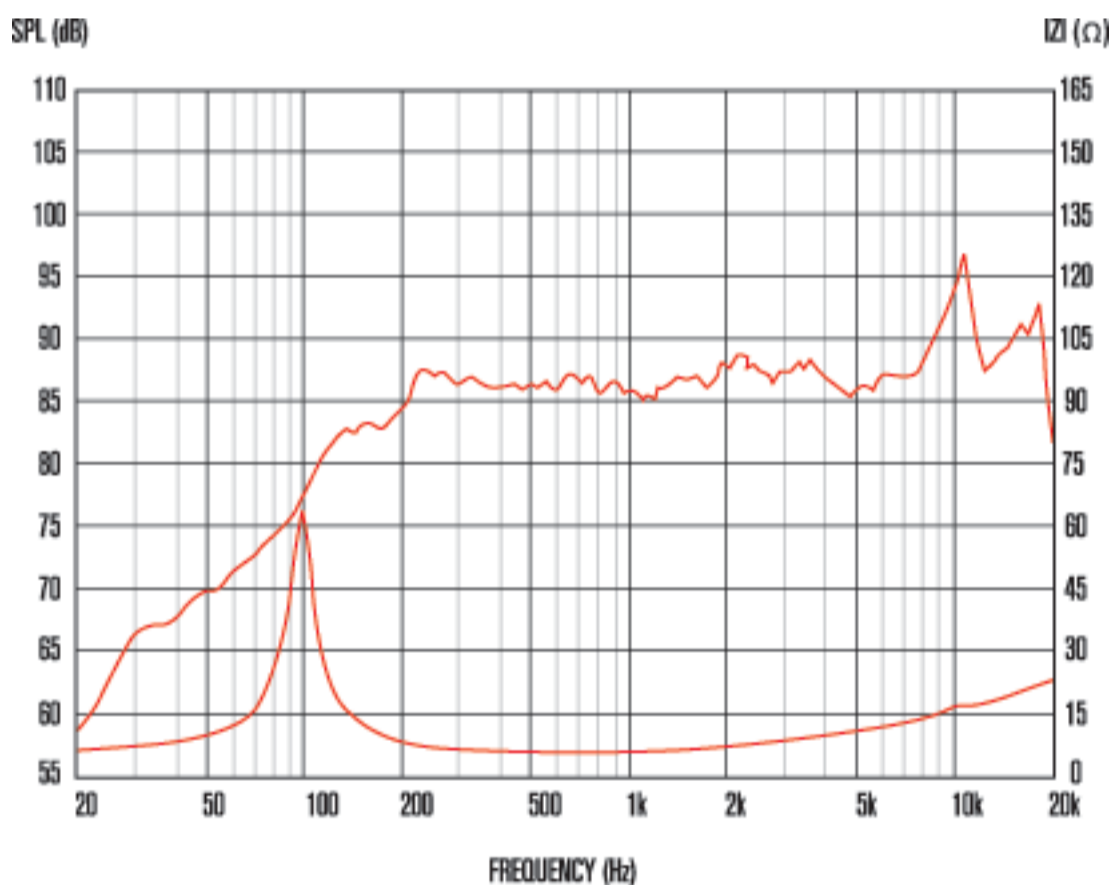
AN3510



Features

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

8 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 2° anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

General Specifications

| | |
|---------------------------|----------------------|
| Nominal diameter | 88mm/3.5in |
| Power rating ¹ | 35Wrms |
| Nominal impedance | 8 |
| Sensitivity ² | 87dB |
| Frequency range | 98Hz-18.5kHz |
| Voice coil diameter | 25mm/1.0in |
| Chassis type | Glass reinforced ABS |
| Magnet type | Neodymium |
| Voice 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 |

Small Signal Parameters

| | |
|-----|---|
| Sd | 38.48cm ² /5.98in ² |
| 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/0.046ft ³ |
| Bl | 4.5Tm |
| Cms | 0.62mm/N |

Mounting Information

| | |
|--------------------|-------------------------------|
| Overall depth | 50mm/2in |
| Overall size | 89.3 x 89.3mm/3.52in x 3.52in |
| Cut-out diameter | 78.8mm/3.1in |
| Fitting | 4 x M4 holes |
| Mounting PCD range | 8#216;104mm/4.1in |
| Unit weight | 160g/5.65oz |