

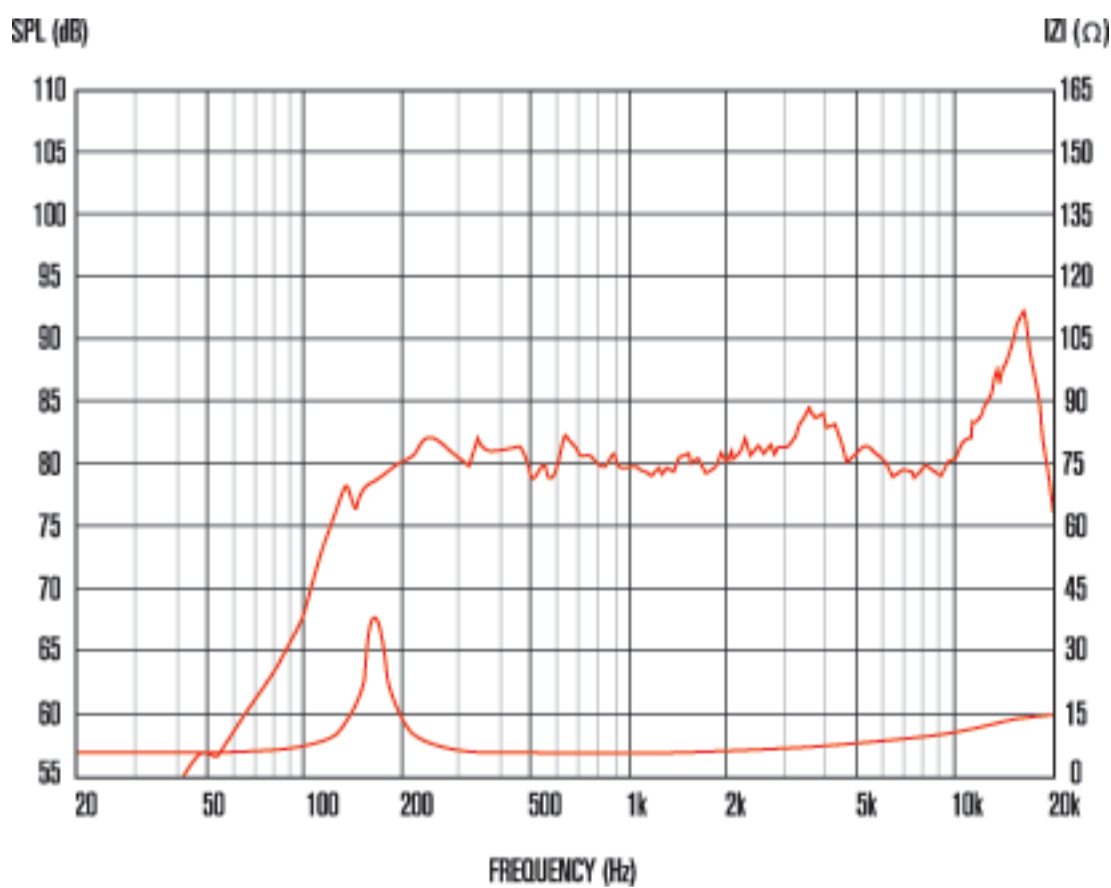
AN2075



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	50mm/2in
Power rating ¹	20Wrms
Nominal impedance	8
Sensitivity ²	80dB
Frequency range	160Hz-19kHz
Voice coil diameter	20mm/0.75in
Chassis type	Glass reinforced ABS
Magnet type	Neodymium
Coil material	Round Copper
Former material	Polyimide
Cone material	Aluminium
Surround material	Elastomer
Xmax ³	1.5mm/0.06in
Gap depth	3mm/0.12in
Voice coil winding width	6mm/0.24in
Voice coil material	Round Copper
Voice coil former material	Polyimide
Bandwidth	200Hz-20kHz

Small Signal Parameters

Sd	12.57cm ² /1.94in ²
D	40mm/1.57in
Fs	160Hz
Mms	1.37g/0.05oz
Qms	10.12
Qes	1.22
Qts	1.09
Re	5.28
Vas	0.12lt/0.004ft ³
Bl	2.60Tm
Cms	0.55mm/N

Mounting Information

Overall depth	43.5mm/1.7in
Overall size	56.2 x 56.2mm/2.2in x 2.2in
Cut-out diameter	51.1mm/2.0in
Fitting	4 x M4 holes
Mounting PCD range	Ø62mm/2.45in
Unit weight	97g/3.4oz