Full Range Loudspeakers

AN2775

2.75-inch neodymium magnet compact full range driver

- Square chassis profile for close coupling
- Integrated waveguide for greater HF dispersion
- Rigid aluminium cone
- Half roll elastomer surround
- Weatherproof

40W
Continuous power rating

84dB
Sensitivity

0.75in
voice coil

General Specifications

Nominal Diameter	70mm / 2.75in
Power Rating	20W
Continuous power rating	40W
Rated impedance	8 ohm
Sensitivity	84dB
Frequency range	160-20,000Hz
Chassis type	Glass reinforced ABS
Magnet type	Neodymium
Voice coil diameter	20mm / 0.75in
Former material	Polyimide
Cone material	Aluminium
Surround material	Elastomer
Suspension	Single
Gap height (Hg)	3mm / 0.12in
VC winding height (Hvc)	6mm / 0.24in

Mounting Information

Overall size	71.3x71.3mm / 2.8x2.8in
Overall depth	45mm / 1.8in
Cut-out diameter	66.1mm / 2.6in
Fitting	4 x M4 holes
Mounting hole PCD	82mm / 3.2in
Unit weight	0.1kg / 0.2lb

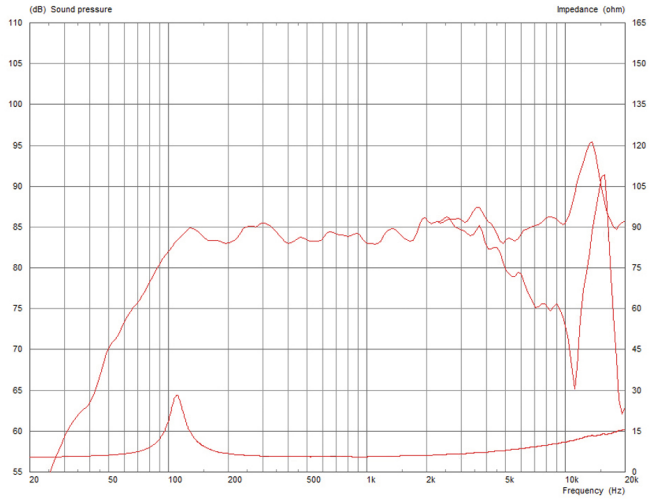
Packed Dimensions & Weight

Single pack size W x D x H	115mm x 115mm x 70mm / 4.5in x 4.5in x 2.8in
Single pack weight	200g / 0.4lb
Multi pack qty	72
Multi pack size W x D x H	450mm x 350mm x 380mm / 17.6in x 13.8in x 15in
Multi pack weight	10kg / 22lb

Parameters

Sd	28.27cm^2 / 4.38in^2
Fs	123.3Hz
Mms	2.68g / 0.09oz
Qms	5.408
Qes	1.166
Qts	0.959
Re	5.26 ohm
Vas	3.57l / 0.13ft^3
Bl	3.06Tm
Cms	0.62mm/N
Rms	0.38kg/s
Le (at 1kHz)	0.07mH
Xmax	2.25mm / 0.09in

Frequency Response and Impedance curves



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.

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