

## 78mm Full Range Loudspeaker



### DESCRIPTION

A 78mm high quality full range speaker driver.

### DISTINCTIVE FEATURES

- 78mm diameter
- Foam edged paper cone with chrome HF dome
- Impedance 8Ω
- Nominal power 10W
- 150Hz to 3.2kHz frequency response
- 150Hz resonant frequency
- 97dB sound pressure level

### APPLICATIONS

Wide range speakers are suitable for speech, music and indication purposes.

Ø  
78mm

8Ω  
Impedance

97dB

Max.  
15W





## ELECTRICAL SPECIFICATION

Impedance	8Ω + 15 % at 800 Hz 1 /V
Power Handling (Nominal)	10W
Power Handling (Peak)	15W
Voice Coil Impedance	8Ω
Insulation voltage	100V AC 50 or 60Hz/sec voltage at voice coil and frame, test 1 minute
Insulation Resistance	DC 500V at voice coil and frame test resistance value not under 20m ohm
Revc	7.6Ω
Zo	8.3Ω



## GENERAL SPECIFICATION

Type	Full range loudspeaker
Nominal Size	78mm diameter
Resonant Frequency	150Hz + 30Hz fo Hz 1 /V
Frequency Response Deviation	Fo Hz~3.2K Hz-10 dB
Frequency Response	150Hz to 3.2KHz
SPL	97dB + 3dB 1W 50 cm
Flux Density	6000 Gauss
Total Flux	12000 Gauss
QTS (Total Damping)	0.94
QMS (Mechanical Damping)	5.56
QES (Electro-mechanical Damping)	1.13
VAS	0.2 Litres



## MATERIALS

Cone	Paper
Frame	Mild Steel
Magnet	Ferrite
Dome	PET (Poly-ethylene terephthalate)
Terminals	Tin plated Brass



## ENVIRONMENTAL/OPERATING SPECIFICATION

Heat Resistance	55°C±2°C, 20~25% R.H. 48 hours
Humidity resistance	40°C±2°C, 90~95% R.H. 48 hours
Vibration test	Speaker shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 per-pendicular
Cold resistance	-20°C±2°C, 20~25% R.H. 16 hours



## TERMINALS

Terminal Type	Solder Tag
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## DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Overall dimensions	78mm Ø x 43mm deep
Magnet Dimensions	70mm Ø x 10mm deep
Cone Diameter	62mm
Fixing Holes	4 x 4.5mm x 5.5mm holes at 90° intervals on a 83mm Ø Circle
Overall weight	401.2g
Magnet weight	152g

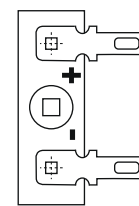
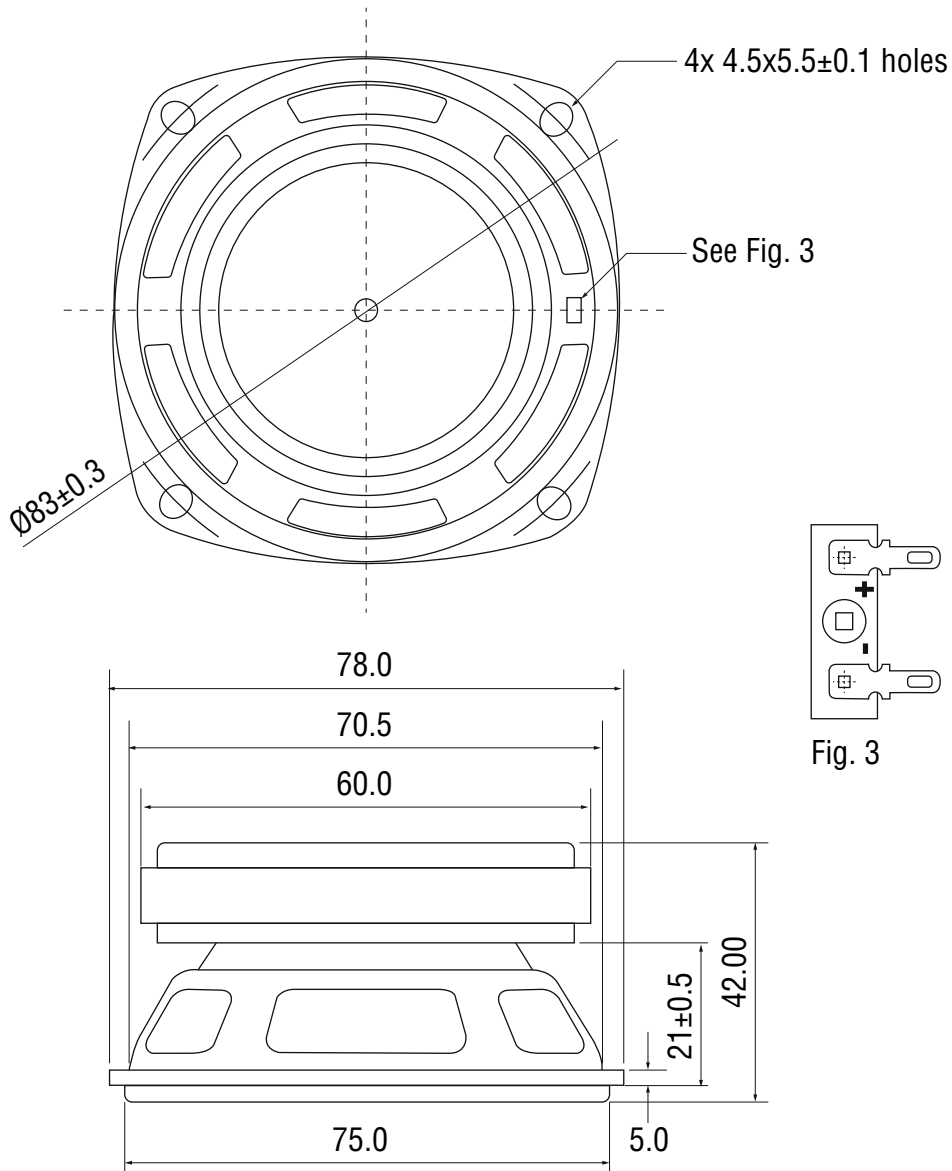
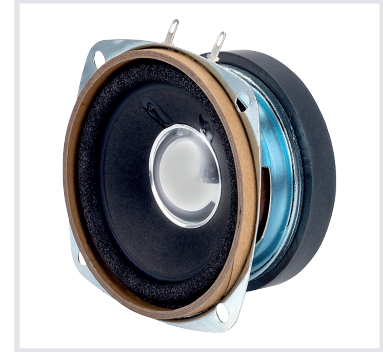
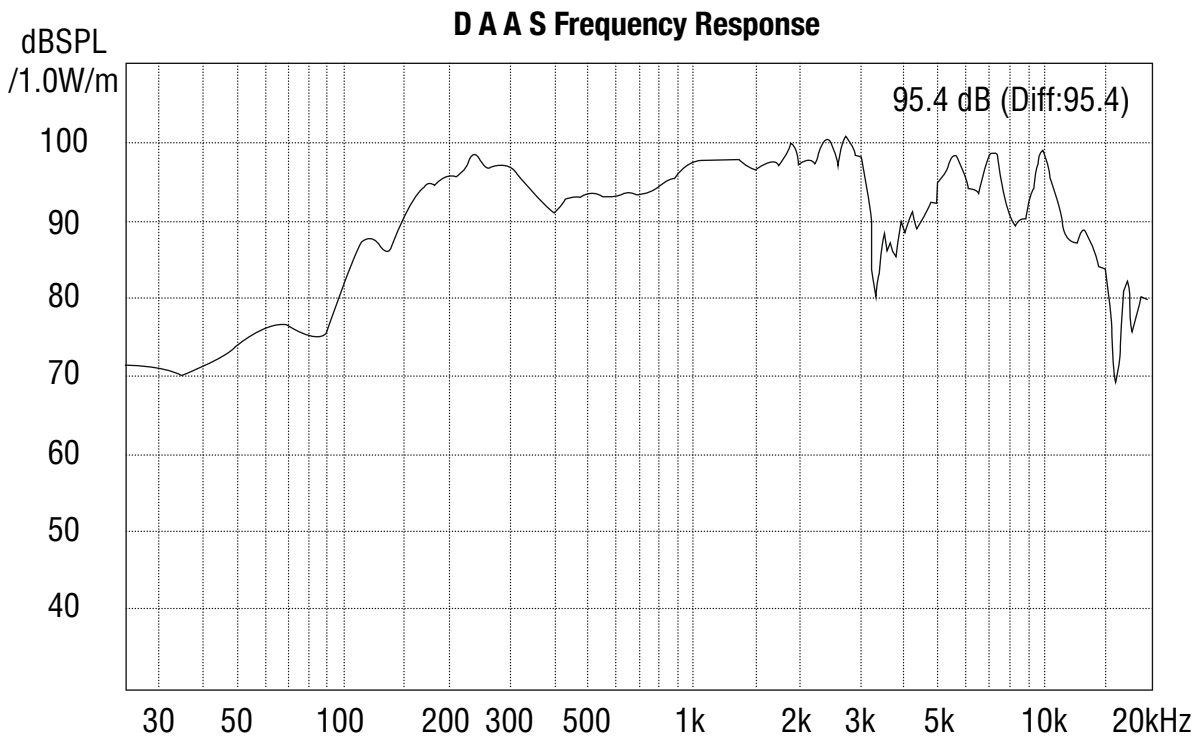
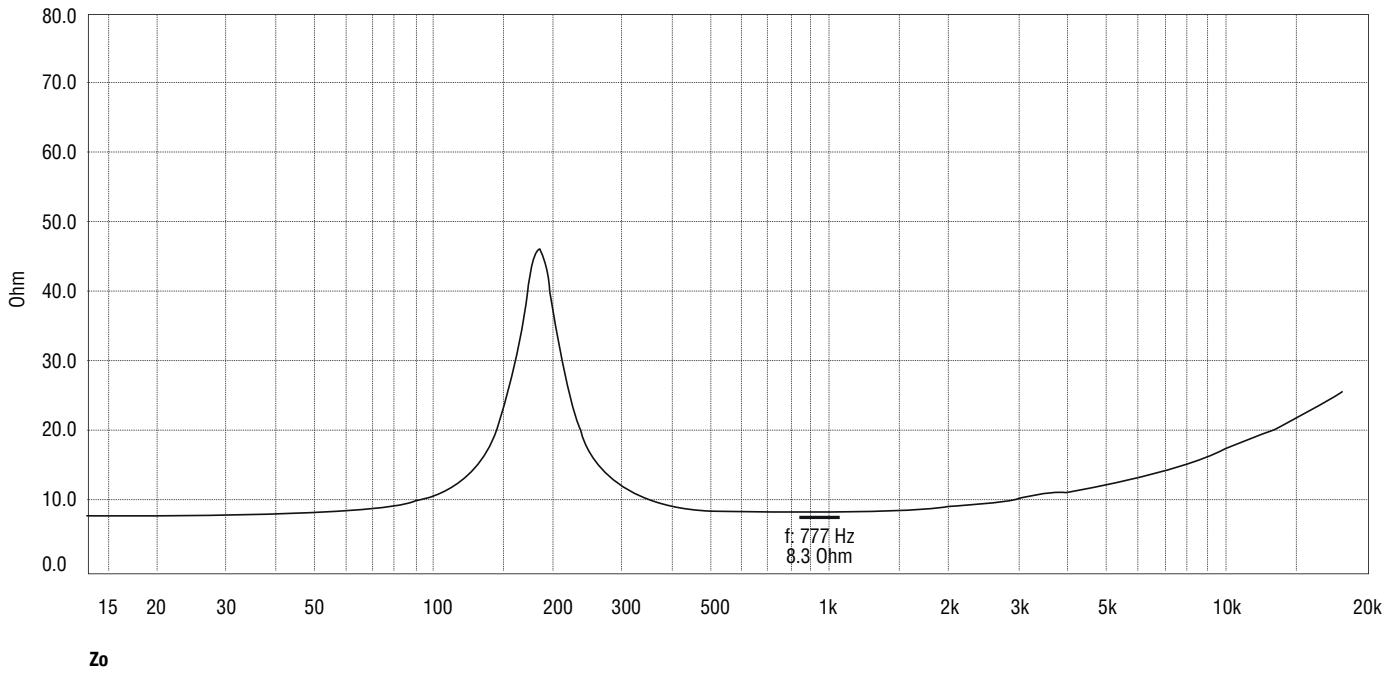


Fig. 3

Magnet size 60 x 32 x 10





## PART NUMBER TABLE

Part Number	EAN	UNSPSC	Country of origin
35-0912	5053556001620	52161512	Taiwan



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