

DU 50BS

ALUMINIUM SPEAKER



MAIN APPLICATIONS

- High intelligibility Speech and Background music
- Schools
- Shopping malls
- Hospital
- Museums
- Hotels
- Office building

DESCRIPTION

The DU 50BS is a ceilings or walls surface mounted speaker with fire protection steel body.

The DU 50BS incorporates a 115 mm (4.5") loudspeaker with a line transformer that enables direct connection to constant voltage systems at 70 V or 100 V. When connected to a 100 V line, its power can be selected among the values 6 W, 3 W, 1.5 W or 0.75 W through the selection 5 inputs wire.

Thanks to its ceramic termination blocks (capable of withstanding temperatures in excess of 650° C/202 °F), its thermal fuse (threshold: 150 °C/ 302 °F) and its fire-resistant cable, the speaker does not allow fire to move to the audio system.

The enclosure is constructed of extremely sturdy body in Aluminium with robust steel grill.

Installation is quick and easy using 2 screws to fix the back side of the speaker to the wall.

MAIN FEATURES

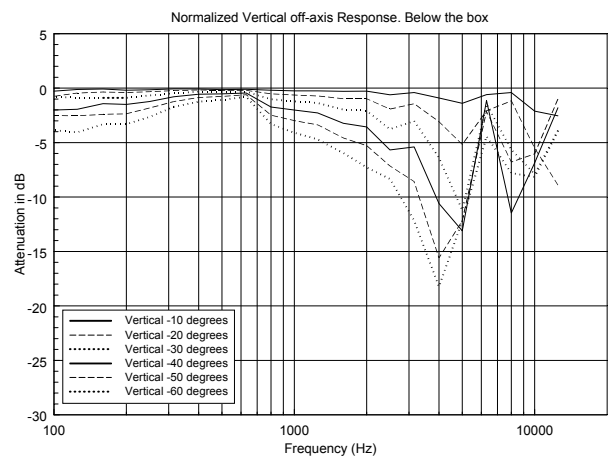
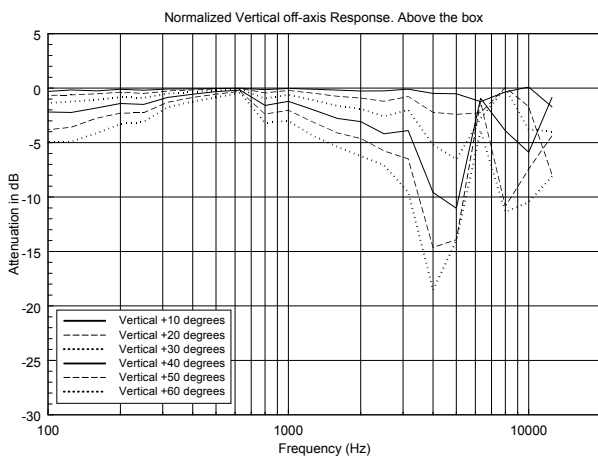
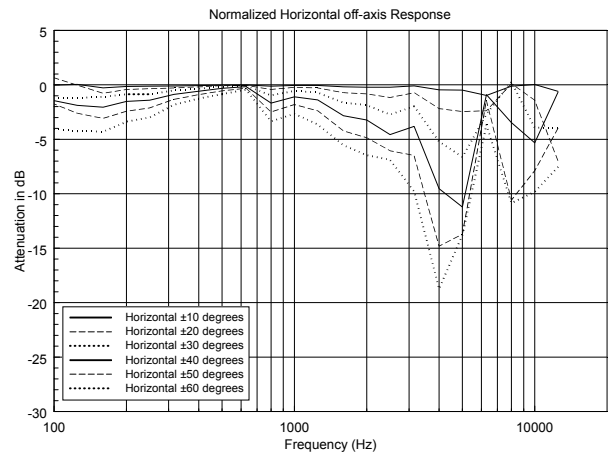
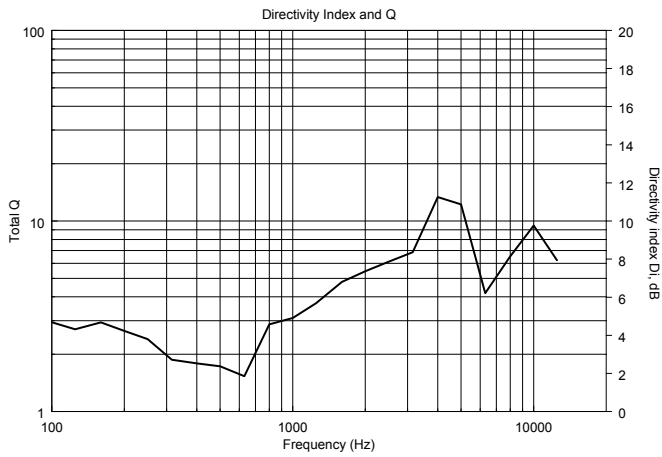
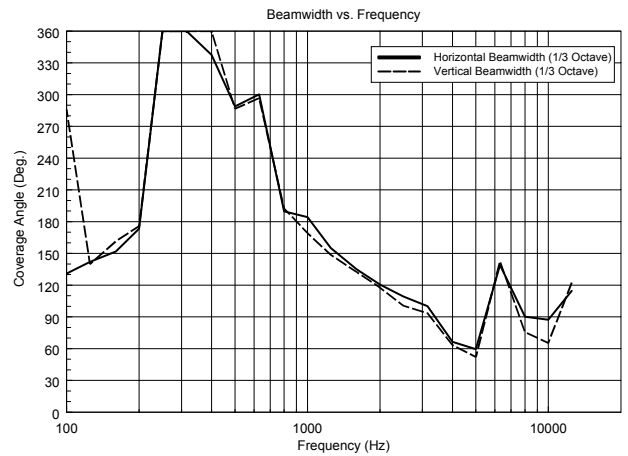
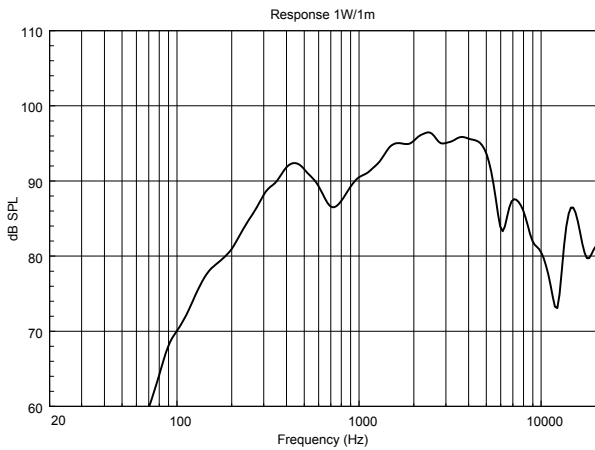
- Woofer 4.5" wide-band
- 6/ 12 Watt (RMS/Music Power)
- 200 Hz ÷ 12 kHz
- 102 dB (1 m / POWER MAX) max. SPL
- Incl. 100V transformer multitap
- Easy to install
- Simple power settings
- Fire protection steel body
- Ceramic terminal blocks
- Internal thermal fuse
- Easy to install
- Simple power settings

SPECIFICATIONS

Loudspeaker	4.5" woofer wide band dual cone
Power (on 8 Ohm load)	6 / 12 W (RMS / Music power)
Power	6 W - 3 W - 1.5 W - 0.75 W (100V)
Sensitivity	91 dB (1 W / 1 m)
Mx. SPL (6 W / 1 m)	102 dB(A) (1 m / POWER MAX)
Frequency Response	200 Hz - 12 kHz
Angle of coverage	180° / 120° / 65° @ 1 / 2 / 4 kHz (hor.)
Connector	Ceramic terminal block
Body colour	White RAL 9010
Main body material	Extra thick steel
Grill material	Steel
Dimensiones (HxWxD)	164 mm x 164 mm x 60 mm
Installation	Screw anchors
Drilling template	163.5 mm x 163.5 mm
Net weight	2 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing

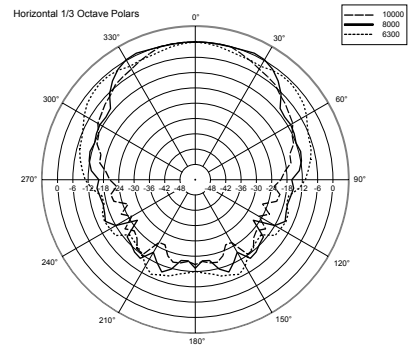
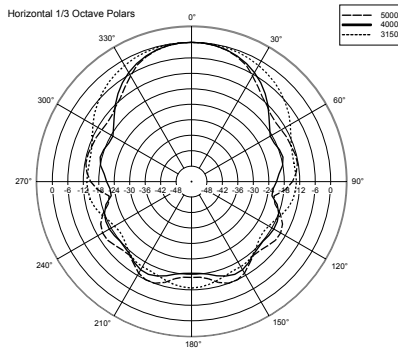
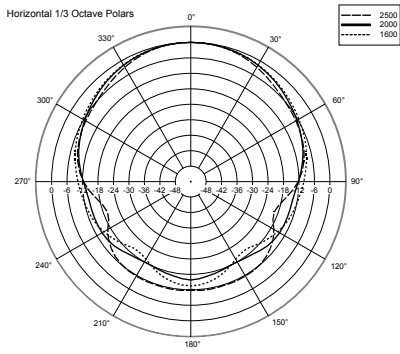
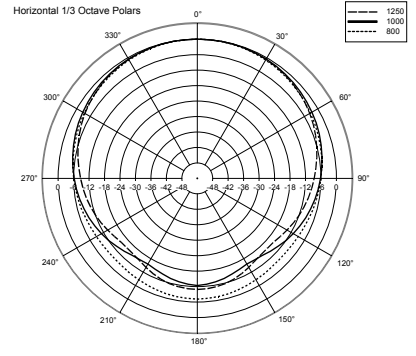
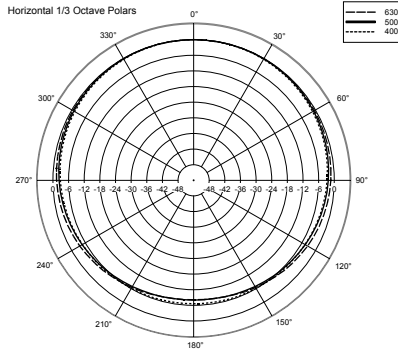
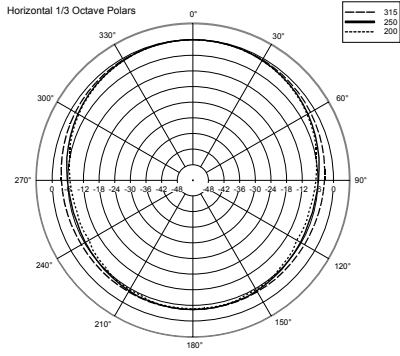


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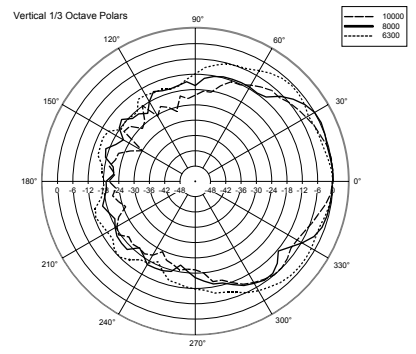
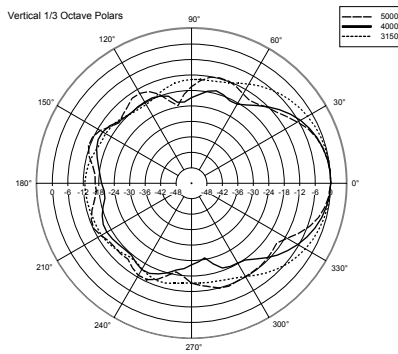
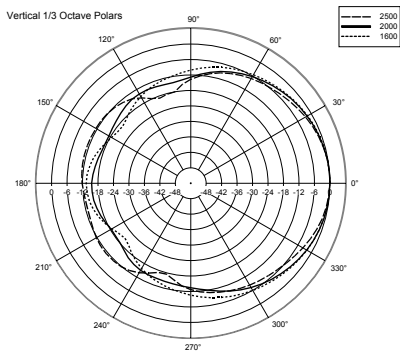
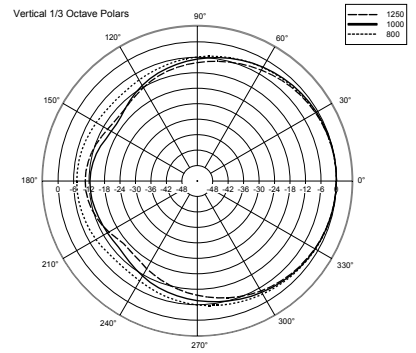
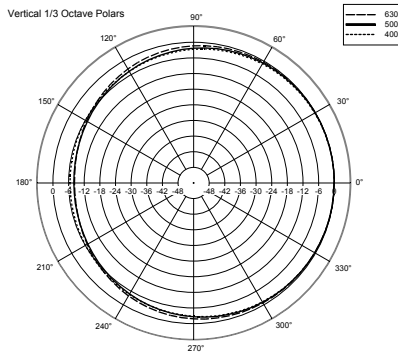
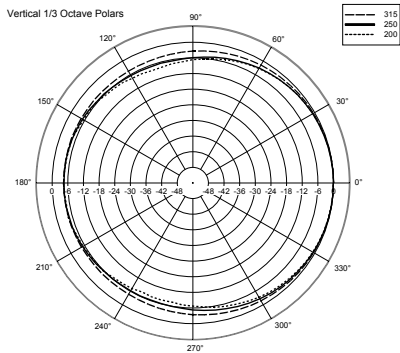


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HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT

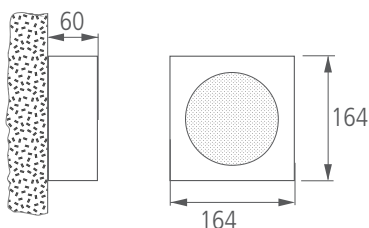


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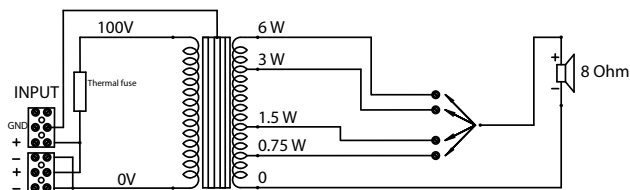
PART NUMBERS

13133049

DIMENSIONS (All data are in mm)



SCHEMATICS



POWER SELECTION

Define the colour cable to selected the chosen power value referring to the 100 V line (among 0.75 W – 1.5 W – 3 W – 6 W) so the correspondence impedance (among 13333 Ω – 6666 Ω - 3333 Ω – 1666 Ω)

RCF	DU 50BS			Made in Taiwan	
				STEEL WALL MOUNTING SPEAKER	
70V	0.375W	0.75W	1.5W	3W	COM
100V	0.75W	1.5W	3W	6W	COM

CERTIFICATIONS AND APPROVALS

- CE comply with European Community Directive 73/23/EEC and 93/768/EEC
- Environmental protection IP 40 homologation
- Self-Extinguishing plastic according to UL 94V0
- Speaker data according to IEC 268-5
- Safety according to IEC EN 60065:2002
- Compliant to BS5839 part 8. (British standards for voice alarm systems).

ACCESSORIES (included)

- Drilling template
- Connection Terminal input / output
- Ground connection
- Steel Grill

INSTALLATION NOTES

Use the drilling template (included) on the wall at the loudspeaker installation selected point of the two wall screw to fix the back cover. Fix the front of the speaker to the back with 3 screws.

The electrical connections are clearly labelled and made through two ceramic screw terminals for connecting the input and output cable

The power can be easily selected, connect the socket corresponding to the desired power capacity as indicate in the legend of the power available on the speaker.

The DU 50BS is intended for indoor installations only.

