

5 inch HIGH POWER SQUAWKER LOUDSPEAKER

APPLICATION

For the reproduction of audio frequencies from 400 to 5000 Hz with very low distortion in multi-way high-fidelity loudspeaker systems in accordance with DIN 45500. The loudspeaker has an excellent spherical radiation pattern.

TECHNICAL DATA

	version	
	Sq4	Sq8
Rated impedance	4	8 Ω
Voice coil resistance	3,4	7 Ω
Rated frequency range	400 to 5000 Hz	
Resonance frequency	260 Hz	
Power handling capacity of system, measured with filter:		
72 μ F — 2,1 mH	20	W
36 μ F — 4,5 mH		20 W
Operating power	4 W	
Sweep voltage, frequency range: 400 — 5000 Hz, high-pass filter:		
72 μ F — 2,1 mH	4	V
36 μ F — 4,5 mH		5,6 V
Energy in air gap	140	mJ
Flux density	0,93	T
Air-gap height	5	mm
Voice coil height	6,8	mm
Core diameter	25	mm
Magnet material	ceramic	
diameter	53	mm
mass	0,23	kg
Mass of loudspeaker	0,7	kg

The loudspeaker has a paper cone, a textile surround and a sealed pot; no acoustic isolation required. Two tinned 2,8 mm (0,11 inch) tag connectors permit connection to the loudspeaker by plugging or soldering.

Dimensions in mm

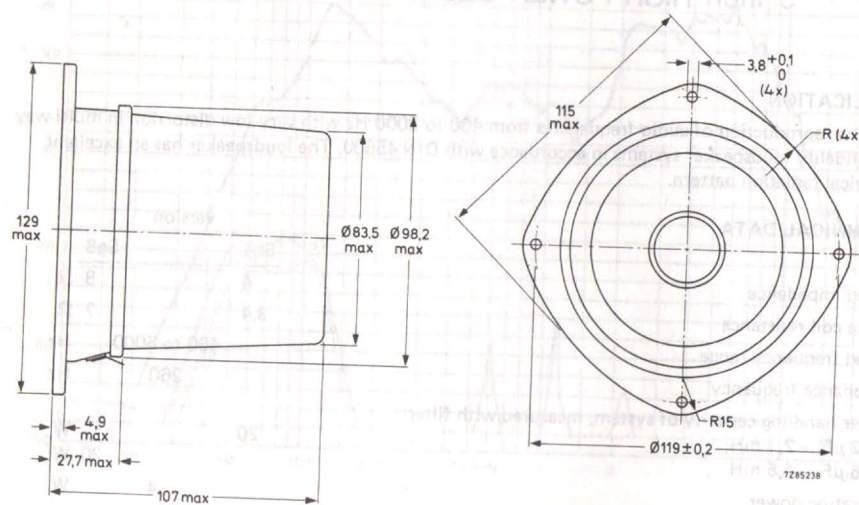


Fig. 1.

Baffle hole diameter minimum 100 mm.

One tag is indicated by a red mark for in-phase connection.

AVAILABLE VERSIONS

AD50600/Sq4, catalogue number 2422 257 45021

AD50600/Sq8, catalogue number 2422 257 45022

these numbers apply to bulk
packed loudspeakers, minimum
packing quantity 24 per unit.

FREQUENCY RESPONSE CURVES (see Fig. 2)

Measured in anechoic room at the operating power. Loudspeaker mounted on IEC baffle according to IEC 268-5 par. 4.4.

Curve a: Sound pressure.

Curves d2 and d3: 2nd and 3rd harmonic distortion.

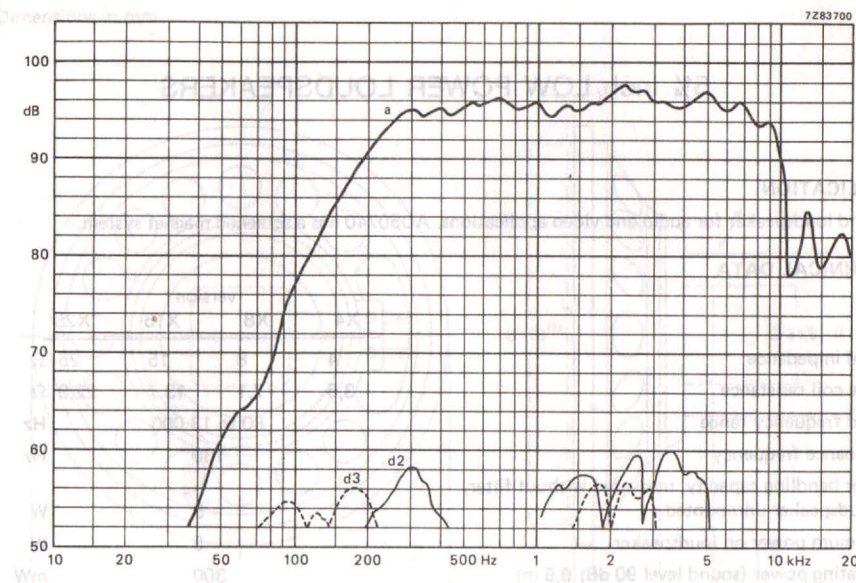


Fig. 2.