

5 inch HIGH POWER SQUAWKER LOUDSPEAKER

APPLICATION

For the reproduction of audio frequencies from 500 to 4500 Hz with very low distortion in multi-way high-fidelity loudspeaker systems in accordance with DIN45500. The loudspeaker has an excellent spherical radiation pattern. Rated frequency range 500 to 5000 Hz.

TECHNICAL DATA

	version	
	Sq4	Sq8
Rated impedance	4	8 Ω
Voice coil resistance	3,4	6,4 Ω
Resonance frequency	210	210 Hz
Power handling capacity		
measured with filter: 72 μ F - 2,1 mH (4 Ω)	40	— W
36 μ F - 4,5 mH (8 Ω)	—	40 W
loudspeaker unmounted		
Operating power	4	4 W
Sweep voltage		
frequency range: 400 - 5000 Hz		
filter high pass : 72 μ F - 2,1 mH (4 Ω)	3,5	— V
36 μ F - 4,5 mH (8 Ω)	—	5 V
Energy in air gap	140	140 mJ
Flux density	0,93	0,93 T
Air-gap height	5	5 mm
Voice coil height	6,8	6,8 mm
Core diameter	25	25 mm
Magnet material	FXD	FXD
diameter	72	72 mm
mass	0,23	0,23 kg
Mass of loudspeaker	0,8	0,8 kg

The loudspeaker has a rubber surround and a sealed pot; no acoustic isolation required.
Connection to the loudspeaker is by means of 6,3 mm (0,25 inch) Fastons or soldering.

AD5060/Sq.

**5 inch HIGH POWER SQUAWKER
LOUDSPEAKER**

Dimensions (mm)

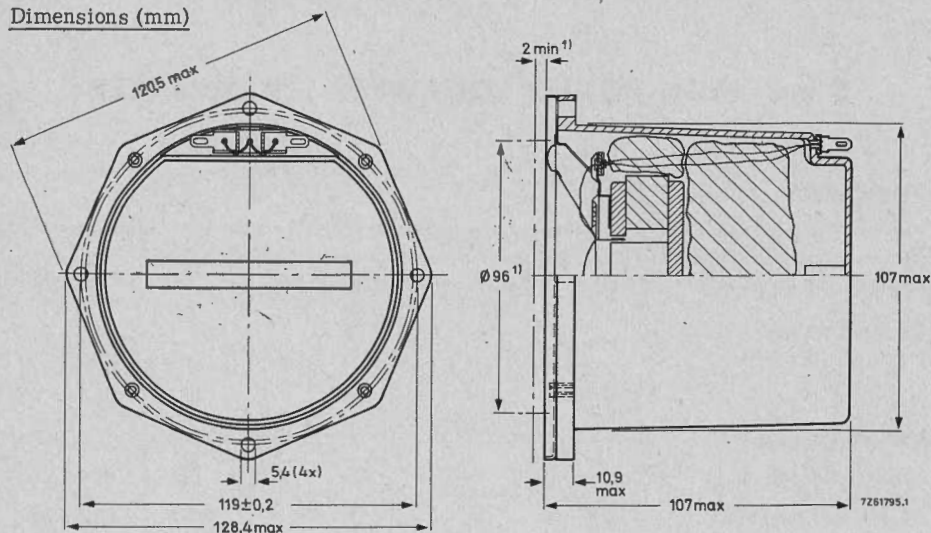


Fig. 1

1) Baffle hole and clearance depth required for cone movement at the specified power handling capacity.

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

AVAILABLE VERSIONS

AD5060/Sq4, catalogue number 2422 257 354. 1

AD5060/Sq8, catalogue number 2422 257 354. 2

(0 = stamped on loudspeaker magnet
not to be used for ordering)

2 = for bulk packing *)

6 = for single unit packing

FREQUENCY RESPONSE CURVES (see Fig. 2)

Curve b: Sound pressure measured in half free field at operating power of 4 W in anechoic room, loudspeaker mounted on IEC baffle.

Curve c: 2nd and 3rd harmonic distortion, measured at the operating power of 4 W in anechoic room.

*) Minimum packing quantity 6 per unit.

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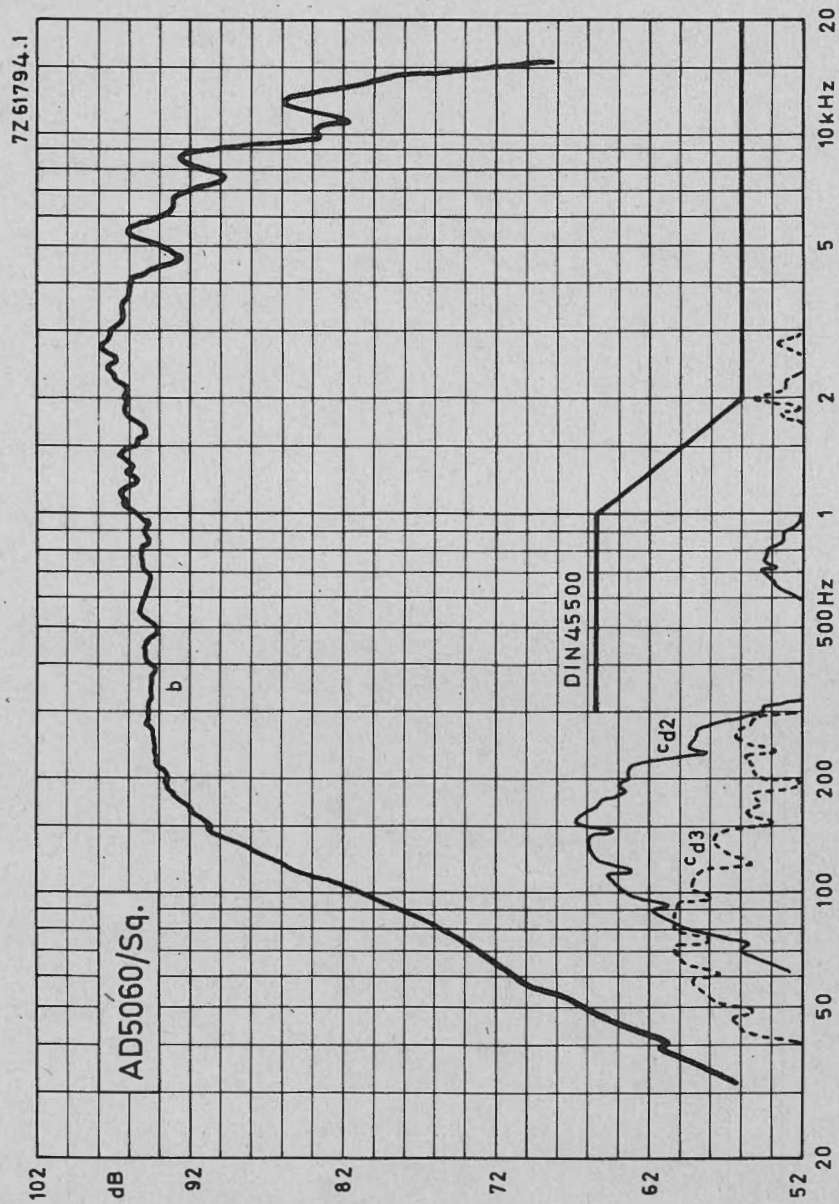


Fig. 2