

## 4 inch HIGH POWER WOOFER LOUDSPEAKER

## APPLICATION

For high-fidelity bass reproduction in bass reflex enclosures specially for video applications. Recommended volume of enclosure 7 litres. The loudspeaker has a very low distortion, and a very low stray magnetic field.

## TECHNICAL DATA

	version	
	W4	W8
Rated impedance	4	8 $\Omega$
Voice coil resistance	3,2	7 $\Omega$
Rated frequency range	70 to 10 000 Hz	
Resonance frequency	72 Hz	
Power handling capacity, mounted in 7 l bass reflex enclosure, measured without filter	20 W	
Maximum power on loudspeaker	30 W	
Operating power	7	8 W
Sweep voltage, frequency range: 30 to 6000 Hz	5,5	7,75 V
Energy in air gap	154 mJ	
Flux density	0,96 T	
Stray magnetic field according to DIN 45578 par. 2.2.5, distance 70 mm	0,35 T	
Air-gap height	5 mm	
Voice coil height	6	6,6 mm
Core diameter	25 mm	
Magnet material	ceramic	
diameter	60 mm	
mass	0,225 kg	
Mass of loudspeaker	0,68 kg	

The loudspeaker has a paper cone and a rubber surround. Two tinned 2,8 mm (0,11 inch) tag connectors permit connection to the woofer by plugging or soldering.

## 4 inch high power woofer loudspeaker

Dimensions in mm

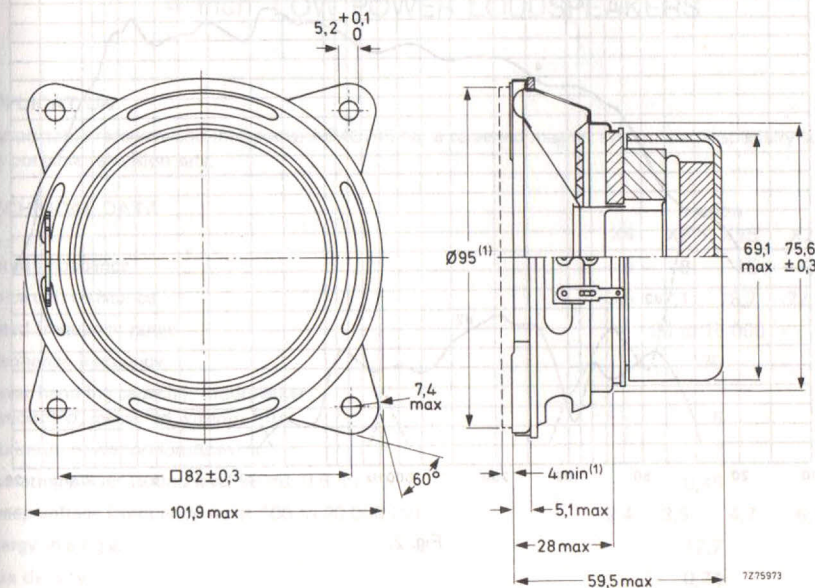


Fig. 1.

(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

AD40501/W4, catalogue number 2422 257 34723  
AD40501/W8, catalogue number 2422 257 34724

these numbers apply to bulk packed loudspeakers, minimum packing quantity 16 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.

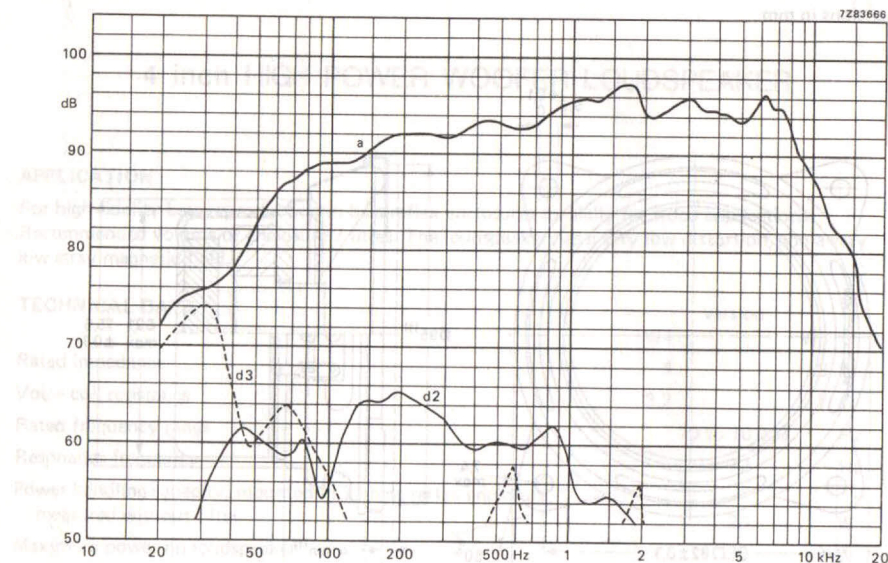


Fig. 2.