

1 inch HIGH POWER DOME TWEETER LOUDSPEAKER

APPLICATION

For the reproduction of audio frequencies from 1600 Hz to 22 000 Hz in multi-way high-fidelity loudspeaker systems. Minimum recommended cross-over frequency 1600 Hz with 12 dB/octave slope.

TECHNICAL DATA

	version	
	T4	T8
Rated impedance	4	8 Ω
Voice coil resistance	3, 4	6, 3 Ω
Rated frequency range	1600 to 20 000 Hz	
Resonance frequency	1200	Hz
Power handling capacity, measured with filter: 12 μ F - 0, 35 mH	20	W
5 μ F - 0, 2 mH	40	W
8 μ F - 0, 5 mH		20 W
3, 2 μ F - 0, 35 mH		40 W
loudspeaker unmounted		
Operating power	4	W
Sweep voltage (500 to 20 000 Hz)	3	4, 5 V
Energy in air gap	59	mJ
Flux density	0, 9	T
Air-gap height	2, 5	mm
Voice coil height	2, 4	3, 2 mm
Core diameter	25	mm
Magnet material	Ferroxdure	
diameter	61	mm
mass	0, 1	kg
Mass of loudspeaker	0, 25	kg

The loudspeaker has a polycarbonate dome and a voice coil of aluminium wire.

Connection to the loudspeaker is by means of 3, 2 mm (0, 12 inch) Fastons or soldering.

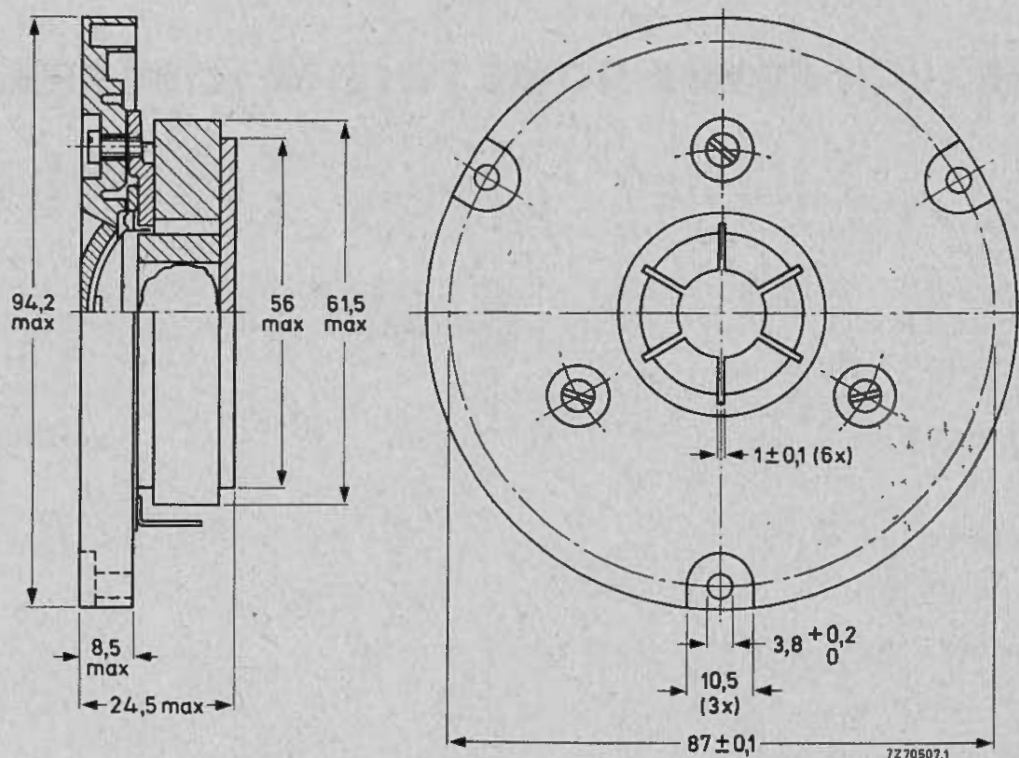
Dimensions (mm)

Fig. 1

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

Baffle hole diameter 75 mm.

Face of loudspeaker should lie in line with plane of baffle.

AVAILABLE VERSIONS

AD0140/T4, catalogue number 2422 257 332.1

AD0140/T8, catalogue number 2422 257 332.2

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

2 = for bulk packing *)

6 = for single unit packing

FREQUENCY RESPONSE CURVES

Curve b: Sound pressure measured in half free field, input at operating power.
Loudspeaker mounted on baffle, dimensions 50 x 50 mm.

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

*) Minimum packing quantity 9 per unit.

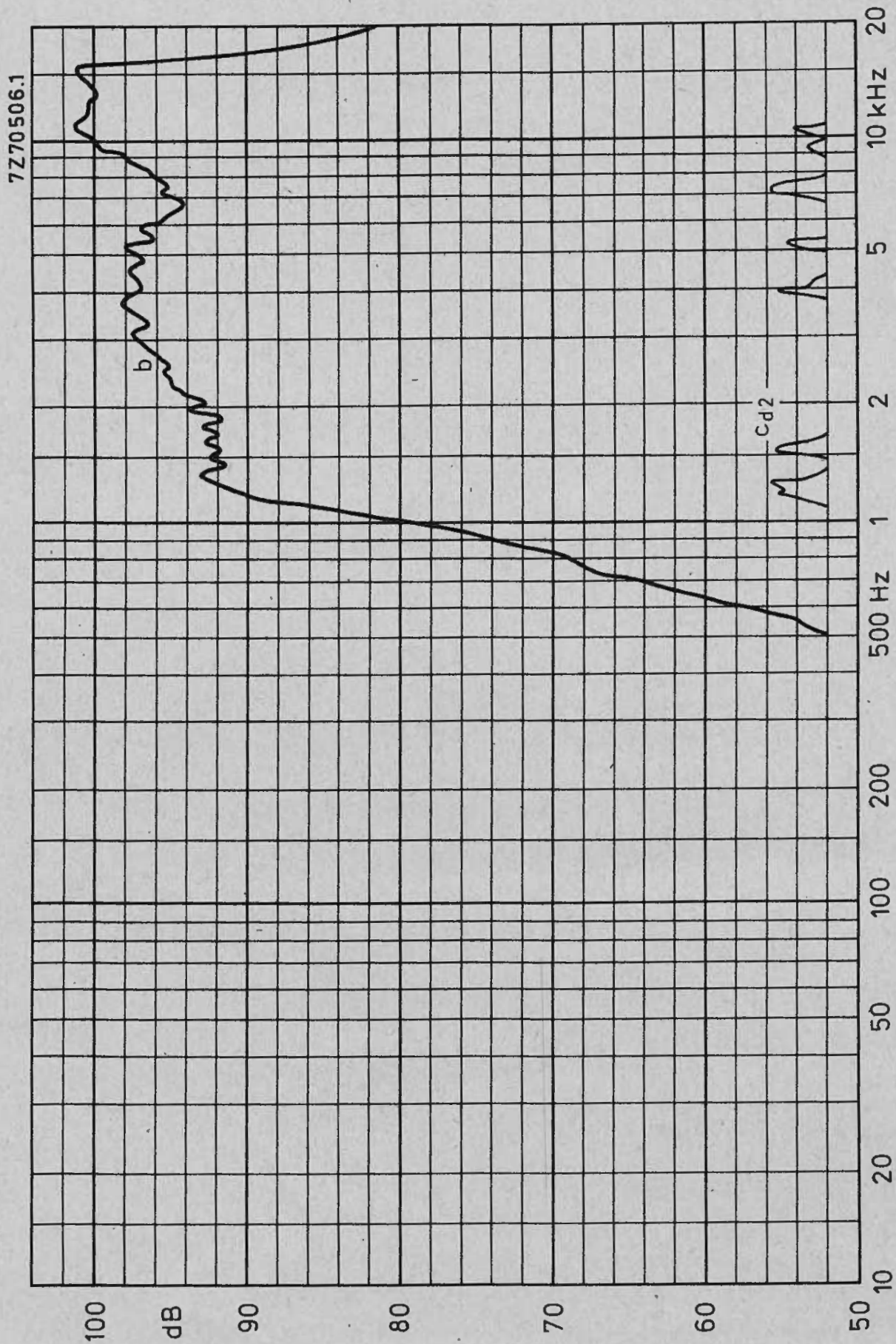


Fig. 2

