

1 inch HIGH POWER DOME TWEETER

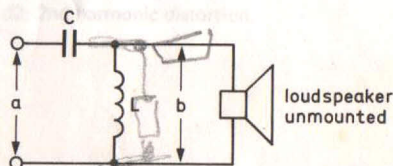
APPLICATION

For reproduction of high frequencies up to 20 kHz.

TECHNICAL DATA

	version	
	T4	T8
Rated impedance	4	8 Ω
Voice coil resistance	3,4	6,3 Ω
Rated frequency range	2500 to 20 000 Hz	
Resonance frequency	1300 Hz	
Power handling capacity, a/b, measured with filter, see Fig. 1,		W
at 2000 Hz, C = 12 μ F, L = 0,35 mH	20/4	
at 2000 Hz, C = 8 μ F, L = 0,5 mH		20/4
at 4000 Hz, C = 5 μ F, L = 0,2 mH	50/6	
at 4000 Hz, C = 3,2 μ F, L = 0,35 mH		50/6
Operating power (sound level 90 dB, 1 m)	1,2	W
Sweep voltage (500 to 20 000 Hz)		V
with filter 12 μ F — 0,35 mH	1,1	
with filter 5 μ F — 0,2 mH		1,5 V
Energy in air gap	117,5	mJ
Flux density	1,3	T
Air-gap height	2,5	mm
Voice coil height	2,2	2,7 mm
Core diameter	25	mm
Magnet material	ceramic	
diameter	72	mm
mass	0,24	kg
Mass of loudspeaker	0,6	kg

The loudspeaker has a textile dome. Connection is by 2,8 mm (0,11 inch) tag connectors or by soldering.

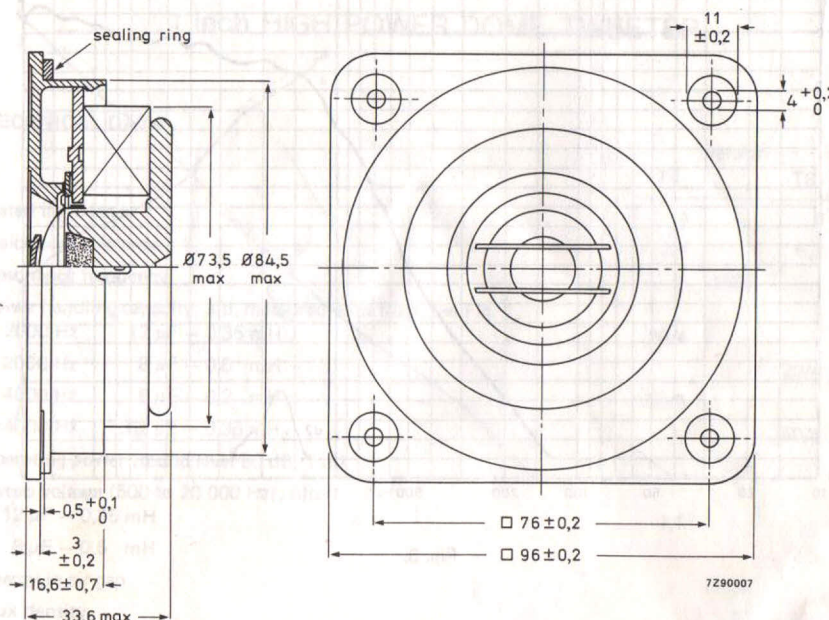


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Fig. 1 Measuring circuit.

a = system power handling capacity.
b = loudspeaker power handling capacity.

Dimensions in mm



7290007

Fig. 2.

One tag has a red mark to facilitate phase matching.

AVAILABLE VERSIONS

AD11600/T4 catalogue number 2422 257 43521

AD11600/T8 catalogue number 2422 257 43522

} These numbers are for bulk-packed loudspeakers.

FREQUENCY RESPONSE CURVES (see Fig. 3)

Measured in anechoic room at the operating power. Loudspeaker front mounted on IEC baffle.

Curve a: Sound pressure.

Curve d2: 2nd harmonic distortion.

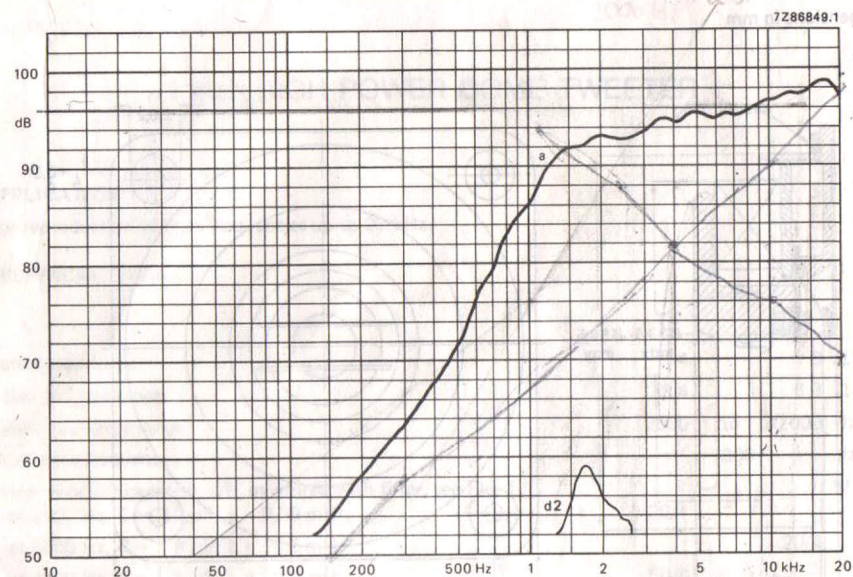


Fig. 3.