

## 2 INCH HIGH POWER DOME SQUAWKER LOUSPEAKERS

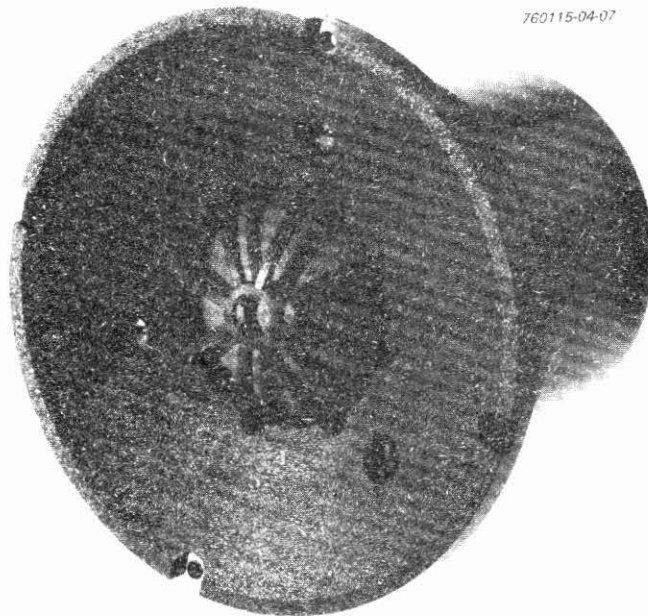
## APPLICATION

For the reproduction of audio frequencies from 500 to 5000 Hz with very low distortion in multi-way high-fidelity loudspeaker systems according to DIN 45500. The loudspeaker has an excellent spherical radiation pattern.

## TECHNICAL DATA

	version	
	Sq4	Sq8
Rated impedance	4	8 $\Omega$
Voice coil resistance	3,4	6,6 $\Omega$
Resonance frequency	340	370 Hz
Rated frequency range	550 to 5000 Hz	
Power handling capacity, loudspeaker unmounted, measured with filter	50 $\mu$ F - 1,6 mH	60 W
	24 $\mu$ F - 3,2 mH	60 W
Power handling capacity of speaker only	20	W
Operating power	5	W
Sweep voltage (100 to 10 000 Hz, filter 50 $\mu$ F - 1,6 mH 24 $\mu$ F - 3,2 mH)	4,5	V
		6,3 V
Energy in air gap	250	mJ
Flux density	0,8	T
Air-gap height	5	mm
Voice coil height	3,3	3,6 mm
Core diameter	50	mm
Magnet material	ceramic	
	diameter	102 mm
mass	0,42	kg
Mass of loudspeaker	1	kg

Type AD0210/Sq. has a paper dome and textile surround, type AD0211/Sq. has a textile dome and surround, both have a sealed pot; no acoustic isolation required. Connection to the loudspeakers by means of 5,1 mm (0,2 inch) tag connectors or by soldering.



Type AD0210/Sq4

760115-04-07

Dimensions in mm

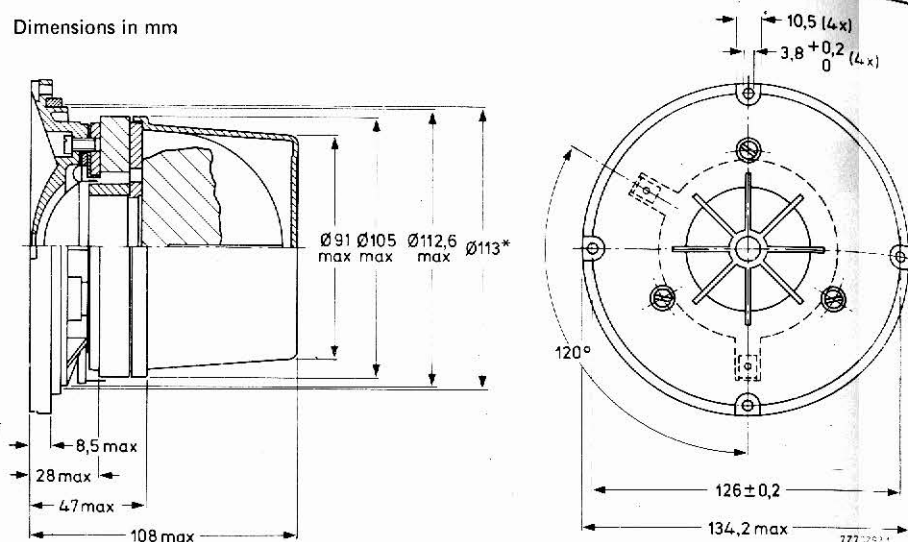


Fig. 1.

\* Baffle hole diameter 110 mm.

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

**AVAILABLE VERSIONS**

**With paper dome**

AD0210/Sq4, catalogue number 2422 257 320.1  
AD0210/Sq8, catalogue number 2422 257 320.2

0 = stamped on loudspeaker magnet,  
**not to be used for ordering**

2 = for bulk packing \*\*  
6 = for single unit packing

**With textile dome**

AD0211/Sq4, catalogue number 2422 257 320.1  
AD0211/Sq8, catalogue number 2422 257 320.2

1 = stamped on loudspeaker magnet,  
**not to be used for ordering**

3 = for bulk packing \*\*  
7 = for single unit packing

**FREQUENCY RESPONSE CURVES** (see Fig. 2)

Curve a: Sound pressure measured in anechoic room, loudspeaker mounted on IEC baffle at operating power.

Curves d2 and d3: 2nd and 3rd harmonic distortion, measured at the operating power in anechoic room. Loudspeaker front mounted on IEC baffle.

\*\* Minimum packing quantity 6 per unit.

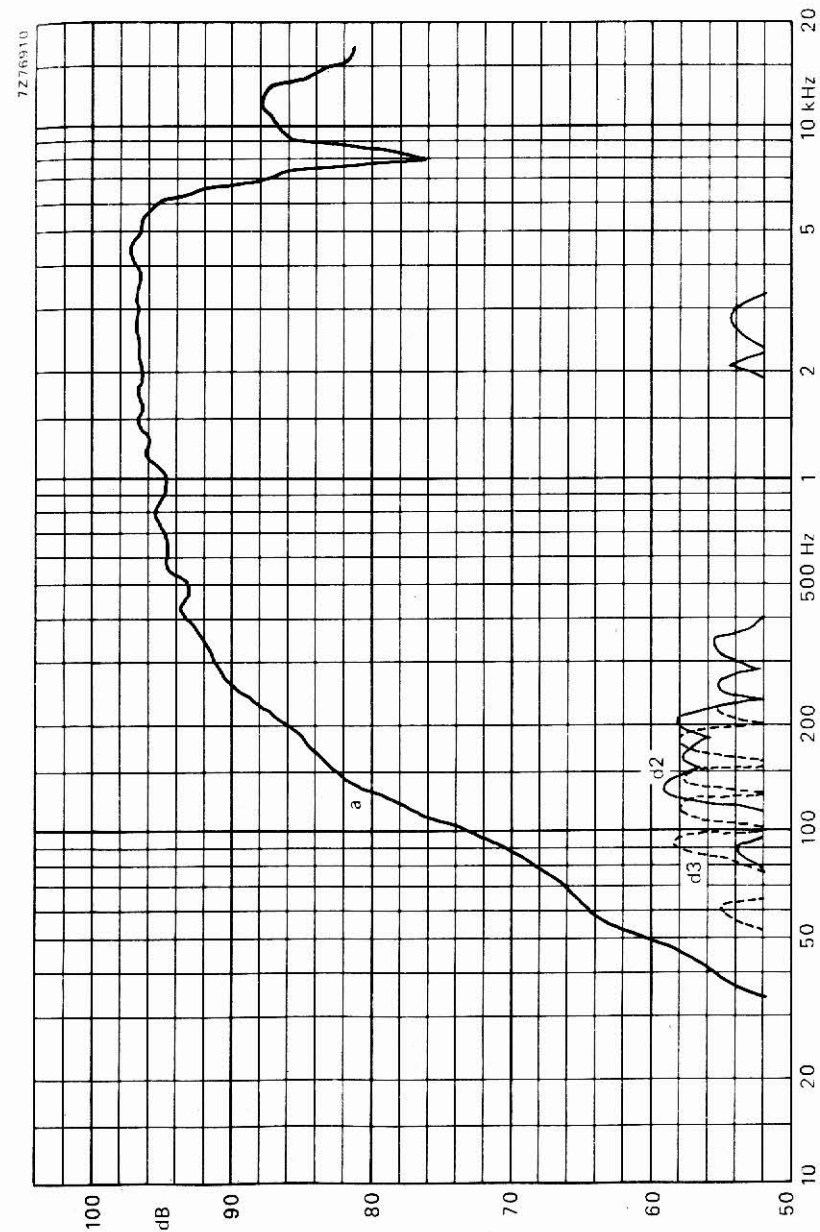


Fig. 2.