

DEVELOPMENT SAMPLE DATA

This information is derived from development samples made available for evaluation. It does not form part of our data handbook system and does not necessarily imply that the device will go into production

AD12200/W

12 INCH HIGH POWER WOOFER LOUDSPEAKER

APPLICATION

For high-fidelity bass reproduction in sealed acoustic enclosure. Recommended volume of enclosure 80 litres. The loudspeaker has a very low distortion.

TECHNICAL DATA

	version	
	W4	W8
Rated impedance	4	8 Ω
Voice coil resistance	3,3	6,7 Ω
Rated frequency range	35 to 1800 Hz	
Resonance frequency	22	Hz
Power handling capacity, mounted in 80 l sealed enclosure, measured without filter	80	W
Maximum power on loudspeaker	*	W
Operating power	5	W
Sweep voltage, frequency range: 35 to 2000 Hz	7	10 V
Characteristic sensitivity	88	* dB
Energy in air gap	485	508 mJ
Flux density	0,65	0,72 T
Force factor ($B \times l$) at 1 A	9,5	13 Wb/m
Total moving mass	67×10^{-3}	62×10^{-3} kg
Compliance, loudspeaker unmounted	$0,8 \times 10^{-3}$	$0,9 \times 10^{-3}$ m/N
Air-gap height	7	mm
Voice coil height	17	mm
Core diameter	50	mm
Magnet material	ceramic	
diameter	125	mm
mass	0,85	kg
Mass of loudspeaker	3	kg

The loudspeaker has a paper cone, a rubber surround and black foam gaskets. Connection to the loudspeaker by means of 5,1 mm (0,2 inch) or 2,8 mm (0,11 inch) tag connectors or by soldering.

* To be established.