Woofer
ARN-165-61/8

Woofer with shielded magnetic circuit for use mainly in loudspeaker systems which are expected to by operated near TV sets or monitors.

ACOUSTICAL DATA		
Rated noise power [1]	100	W
Short term maximum power [2]	300	W
Rated impedance	8	Ohm
Resonance frequency Fs [4]	44.000	Hz
Rated frequency range	40 - 4000	Hz
Sensitivity [3]	86	dB
TS PARAMETERS		
Acquired by MLSSA	D-0-10	
Effective piston area Sd	134.780	cm^2
DC resistance of voice coil Re	7.595	Ohm
Mechanical Q factor Qms	3.251	
Electrical Q factor Qes	0.820	
Total Q factor Qts	0.655	
Voice coil inductance Le	0.512	
Equivalent volume Vas	24.745	l
Moving mass (including air load) Mms	11.570	g
Suspension compliance Cms	969.856	uM/Newton
Force factor Bl	5.656	Tm
Maximum linear displacement Xmax[5]	6.4	mm
MECHANICAL DATA		
Voice coil carrier material	aluminium	
Voice coil diameter	25.4	mm
Winding height of voice coil	13	mm
Yoke diameter	25	mm
Air gap height	5	mm
Magnet external diameter	72	mm
Magnet internal diameter	32	mm
Magnet height	15	mm
Compensating magnet external diameter	72	mm
Compensating magnet internal diameter	32	mm
Compensating magnet height	10	mm
Weight	1	kg

1) DIN IEC 268-5, closed box 15 dm3
2) CSN IEC 268-5, closed box 15 dm3
3) CSN IEC 268-5, standard baffle, 1W, 1 m, 50 - 4000 Hz
4) ±10%
5) Peak - peak

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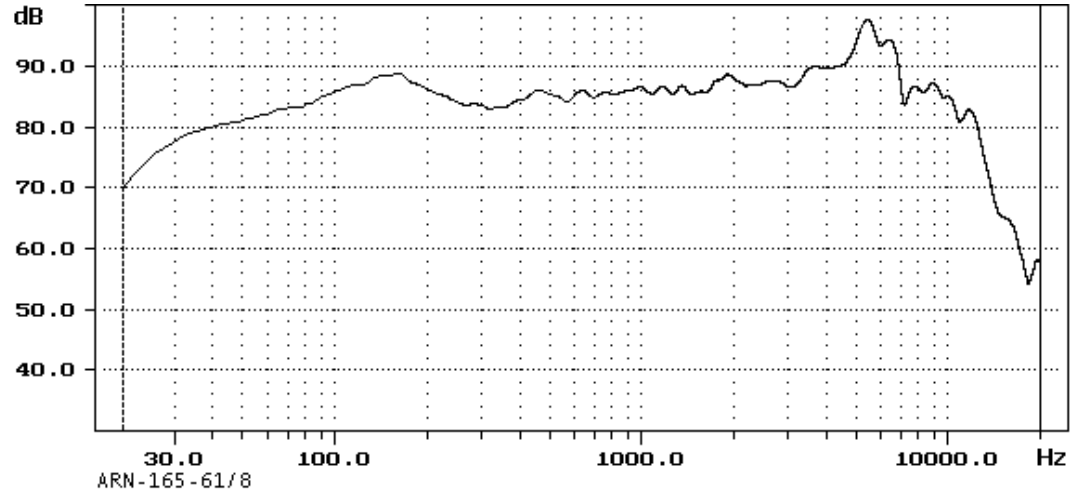
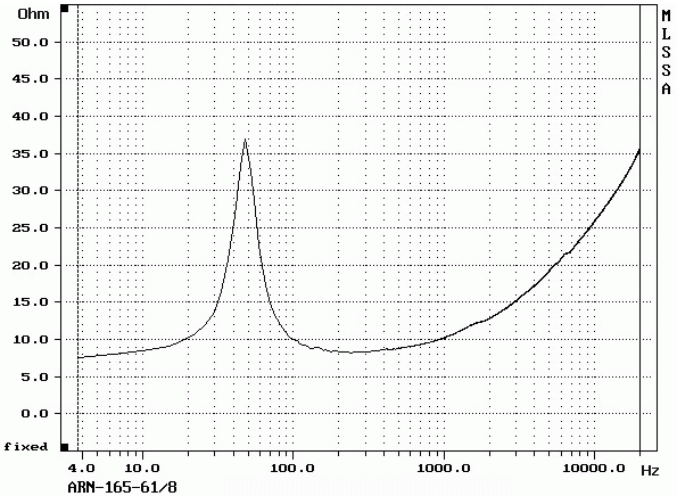
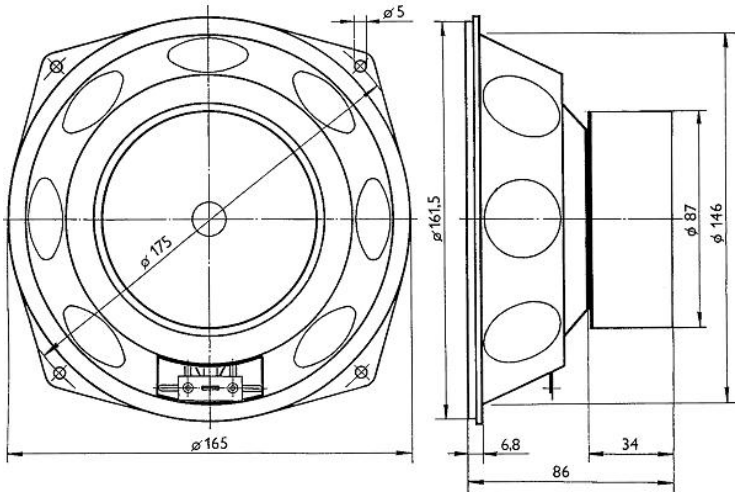
Frequency response



Impedance Magnitude



Drawing



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