



Woofer ARN 5684

Woofer for HiFi loudspeaker systems. It differs from type ARN 5614 in coating of cone.

ACOUSTICAL DATA

Rated noise power ¹⁾	60	W
Short term maximum power ²⁾	120	W
Rated impedance	4	Ohm
Resonance frequency F_s ⁴⁾	40.000	Hz
Rated frequency range	40 - 4000	Hz
Sensitivity ³⁾	85	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	134.780	cm ²
DC resistance of voice coil R_e	3.371	Ohm
Mechanical Q factor Q_{ms}	4.153	
Electrical Q factor Q_{es}	0.504	
Total Q factor Q_{ts}	0.450	
Voice coil inductance L_e	0.318	
Equivalent volume V_{as}	49.915	l
Moving mass (including air load) M_{ms}	8.244	g
Suspension compliance C_{ms}	1956.352	uM/Newton
Force factor Bl	3.705	Tm
Maximum linear displacement X_{max} ⁵⁾	7	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	82	mm
Magnet internal diameter	33	mm
Magnet height	17	mm
Compensating magnet external diameter	-	mm
Compensating magnet internal diameter	-	mm
Compensating magnet height	-	mm
Weight	1	kg

1) DIN IEC 268-5, closed box 10 dm³.

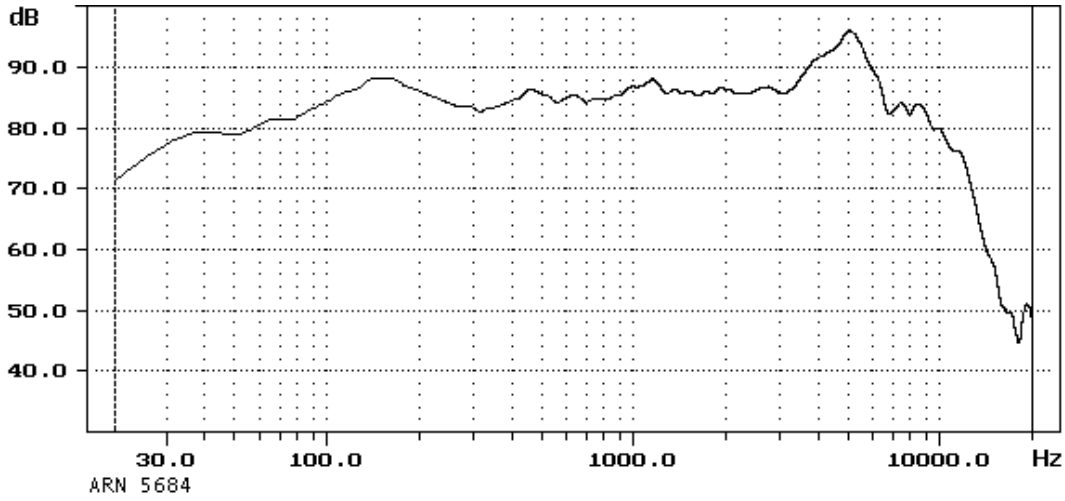
2) CSN IEC 268-5, closed box 10 dm³.

3) CSN IEC 268-5, standard baffle, 1W, 1 m, 200 - 4000 Hz

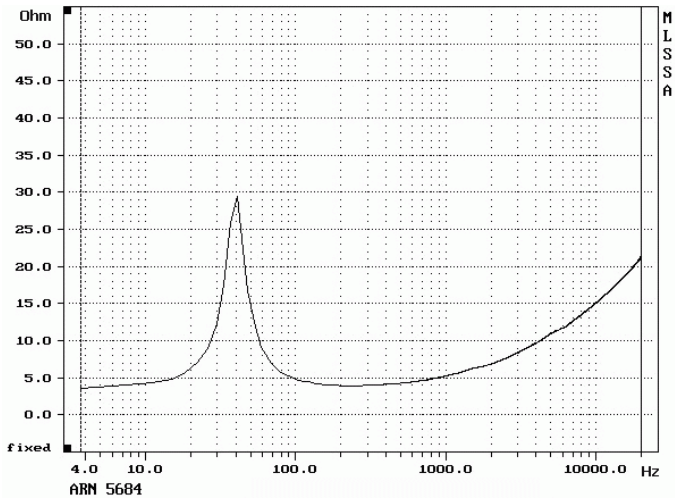
4) ±20%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

