



Woofer ARN 5618

Woofer for HiFi loudspeaker systems.

ACOUSTICAL DATA

Rated noise power ¹⁾	60	W
Short term maximum power ²⁾	120	W
Rated impedance	8	Ohm
Resonance frequency F_s ⁴⁾	40.000	Hz
Rated frequency range	40 - 4000	Hz
Sensitivity ³⁾	86	dB

TS PARAMETERS

Acquired by MLSSA	-	
Effective piston area S_d	134.780	cm ²
DC resistance of voice coil R_e	7.282	Ohm
Mechanical Q factor Q_{ms}	4.269	
Electrical Q factor Q_{es}	0.731	
Total Q factor Q_{ts}	0.624	
Voice coil inductance L_e	0.623	
Equivalent volume V_{as}	32.552	l
Moving mass (including air load) M_{ms}	10.195	g
Suspension compliance C_{ms}	1275.823	uM/Newton
Force factor Bl	5.305	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	13.4	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.

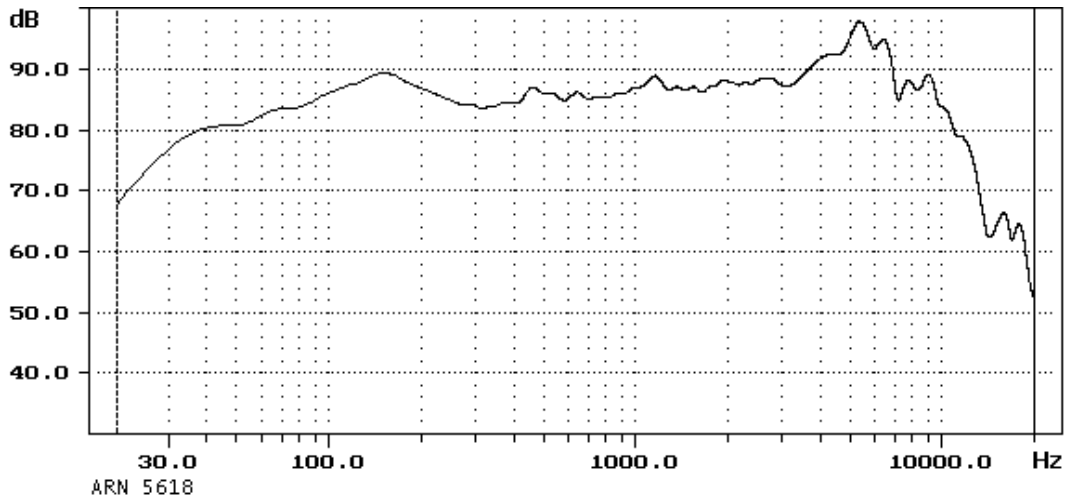
2) CSN IEC 268-5, closed box 10 dm³.

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

4) ±20%

5) Peak - peak

Frequency response



Drawing

