



Widerange ARO 468K

A direct-radiator electrodynamic loudspeaker with high sensitivity and a wide frequency range for use in products of consumer electronics.

ACOUSTICAL DATA

Rated noise power ¹⁾	10	W
Short term maximum power ²⁾	30	W
Rated impedance	8	Ohm
Resonance frequency F_s ⁴⁾	120.000	Hz
Rated frequency range	100 - 17000	Hz
Sensitivity ³⁾	90	dB

TS PARAMETERS

Acquired by MLSSA	-	
Effective piston area S_d	73.900	cm ²
DC resistance of voice coil R_e	7.136	Ohm
Mechanical Q factor Q_{ms}	3.597	
Electrical Q factor Q_{es}	2.162	
Total Q factor Q_{ts}	1.350	
Voice coil inductance L_e	0.216	
Equivalent volume V_{as}	4.912	l
Moving mass (including air load) M_{ms}	2.495	g
Suspension compliance C_{ms}	640.403	uM/Newton
Force factor Bl	2.553	Tm
Maximum linear displacement X_{max} ⁵⁾	1.5	mm

MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	18.4	mm
Winding height of voice coil	5	mm
Yoke diameter	18	mm
Air gap height	3.5	mm
Magnet external diameter	55	mm
Magnet internal diameter	24	mm
Magnet height	8.1	mm
Compensating magnet external diameter	-	mm
Compensating magnet internal diameter	-	mm
Compensating magnet height	-	mm
Weight	0.27	kg

1) DIN IEC 268-5, without baffle

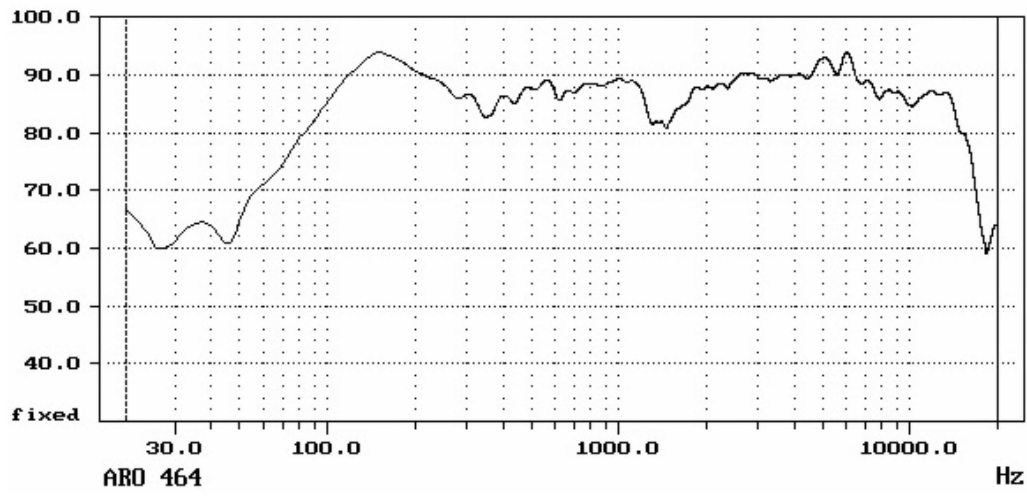
2) CSN IEC 268-5, without baffle

3) CSN IEC 268-5, standard baffle, 1W, 1 m, 250 - 4000 Hz

4) $\pm 25\%$

5) Peak - peak

Frequency response



Drawing

