



Widerange ARO 464

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	4	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	74.000	cm ²
DC resistance of voice coil R_e	3.600	Ohm
Mechanical Q factor Q_{ms}	2.530	
Electrical Q factor Q_{es}	1.750	
Total Q factor Q_{ts}	1.030	
Voice coil inductance L_e	0.1	
Equivalent volume V_{as}	4.200	l
Moving mass (including air load) M_{ms}	2.400	g
Suspension compliance C_{ms}	547.000	uM/Newton
Force factor Bl	2.1	Tm
Maximum linear displacement X_{max} ⁵⁾	1.9	mm

MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	18.4	mm
Winding height of voice coil	5.4	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

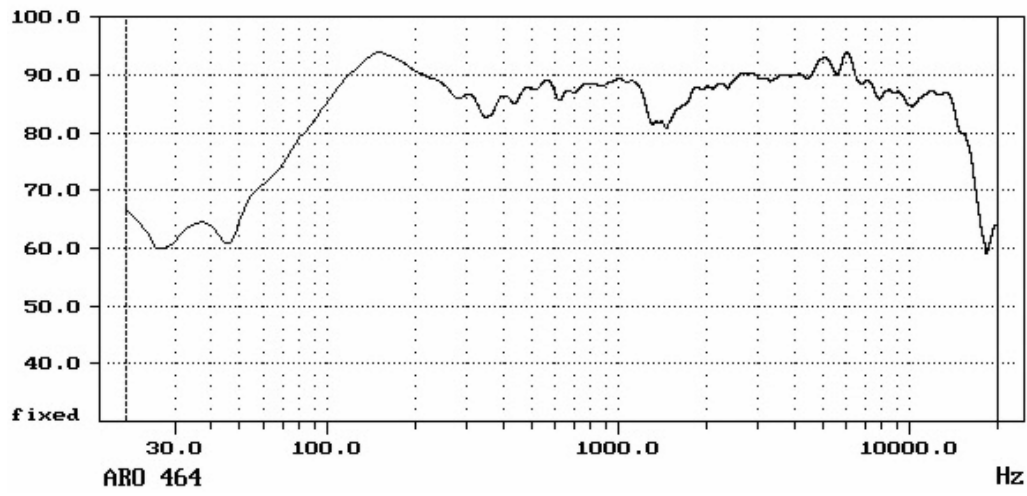
2) CSN IEC 268-5, without baffle

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

4) $\pm 25\%$

5) Peak - peak

Frequency response



Drawing

