



Car speaker ARX-168-10/4

Woofer designed for use in two-way car sound systems. The loudspeaker chassis consists of a plastic basket, the paper cone rests on a polyurethan suspension. For optimum playback quality a combination with the ARV-040-03/4 tweeter is recommended.

ACOUSTICAL DATA

Rated noise power ¹⁾	40	W
Short term maximum power ²⁾	80	W
Rated impedance	4	Ohm
Resonance frequency F_s ⁴⁾	78.000	Hz
Rated frequency range	60 - 5000	Hz
Sensitivity ³⁾	87	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	109.360	cm ²
DC resistance of voice coil R_e	3.263	Ohm
Mechanical Q factor Q_{ms}	4.297	
Electrical Q factor Q_{es}	0.954	
Total Q factor Q_{ts}	0.781	
Voice coil inductance L_e	0.377	
Equivalent volume V_{as}	6.917	l
Moving mass (including air load) M_{ms}	7.786	g
Suspension compliance C_{ms}	411.814	uM/Newton
Force factor Bl	3.856	Tm
Maximum linear displacement X_{max} ⁵⁾	2	mm

MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	25.4	mm
Winding height of voice coil	-	mm
Yoke diameter	-	mm
Air gap height	-	mm
Magnet external diameter	72.5	mm
Magnet internal diameter	-	mm
Magnet height	-	mm
Compensating magnet external diameter	-	mm
Compensating magnet internal diameter	-	mm
Compensating magnet height	-	mm
Weight	0.57	kg

1) DIN IEC 268-5, without baffle

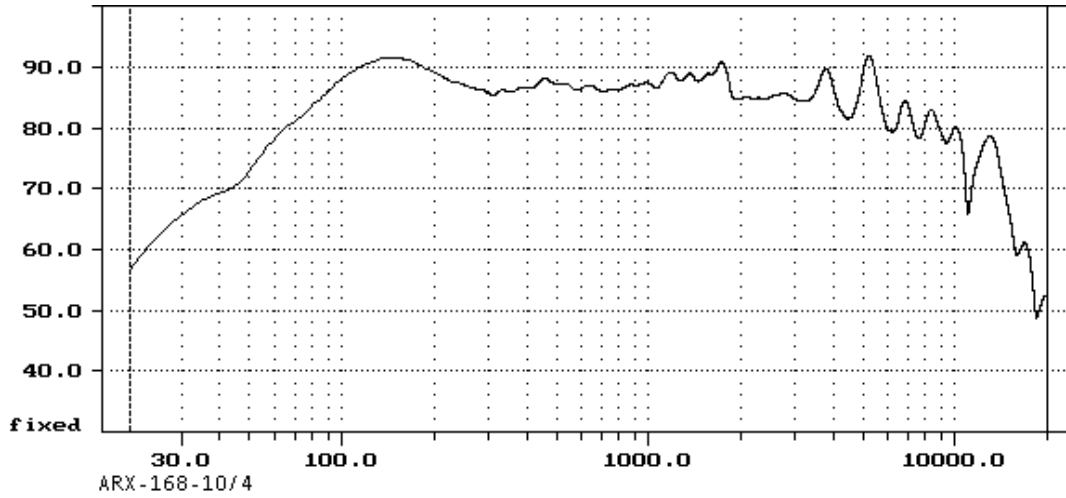
2) CSN IEC 268-5, without baffle

3) CSN IEC 268-5, standard baffle, 1 W, 1 m, 200 - 10000 Hz

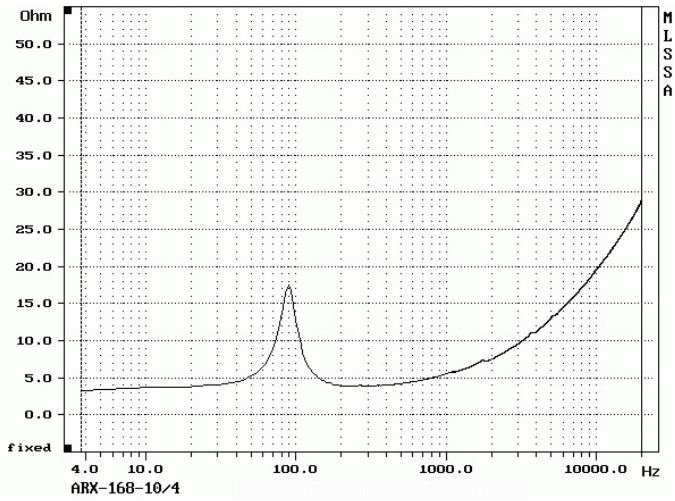
4) ± 20 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

