

Thiele/Small Parameters

44L7S82

Name		Unit	Comment
Re Le Krm Erm Kxm Exm Cmes Lces Res fs	3.40 3.4736 0.01 0.85 0.04 0.74 766.80 17.96 43.70 42.94	Ohm mH Ohm Ohm µF mH Ohm Hz	electrical voice coil resistance at DC frequency independent part of voice coil inductance WRIGHT inductance model WRIGHT inductance model WRIGHT inductance model electrical capacitance representing moving mass electrical inductance representing driver compliance resistance due to mechanical losses driver resonance frequency
Mms Mmd Rms Cms Kms Bl Lambda	136.11 131.13 4.07 0.10 9.92 13.33 0.03	g kg/s mm/N N/mm N/A	· · · · ·
Qtp Qms Qes Qts	0.80 9.04 0.70 0.65		total Q-factor considering all losses mechanical Q-factor of driver in free air considering Rms only electrical Q-factor of driver in free air considering Re only total Q-factor considering Re and Rms only
Vas n0 Lm Lnom	10.36 0.11 82.69 83.40	l % dB dB	equivalent air volume of suspension reference efficiency (2 pi-radiation using Re) characteristic sound pressure level (SPL at 1m for 1W @ Re) nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z rmse Hx	3.61 1.79	% %	root-mean-square fitting error of driver impedance Z(f) root-mean-square fitting error of transfer function Hx (f)
Sd	268.96	cm ²	diaphragm area
Xmax	13.5	mm	

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