

Thiele/Small Parameters

43CVR124

Re	7.13	Ohm	electrical voice coil resistance at DC
Krm	0.01065	Ohm	WRIGHT inductance model
Erm	0.87		WRIGHT inductance model
Kxm	0.05685	Ohm	WRIGHT inductance model
Exm	0.75		WRIGHT inductance model
Cmes	474.11	µF	electrical capacitance representing moving mass
Lces	49.66	mH	electrical inductance representing driver compliance
Res	108.625	Ohm	resistance due to mechanical losses
fs	32.85	Hz	driver resonance frequency
Mms	163.328	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	149.504	g	mechanical mass of voice coil and diaphragm without air load
Rms	3.174	kg/s	mechanical resistance of total-driver losses
Cms	0.1445	mm/N	mechanical compliance of driver suspension
Kms	6.95	N/mm	mechanical stiffness of driver suspension
Bl	18.5685	Tm	force factor (Bl product)
Lambda	0.0185		suspension creep factor
Qtp	0.7465		total Q-factor considering all losses
Qms	10.61		mechanical Q-factor of driver in free air considering Rms only
Qes	0.6965		electrical Q-factor of driver in free air considering Re only
Qts	0.6535		total Q-factor considering Re and Rms only
Vas	57.52965	l	equivalent air volume of suspension
n0	0.28		reference efficiency (2 pi-radiation using Re)
Lm	86.675	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	87.17	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	2.7		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.885		root-mean-square fitting error of transfer function Hx (f)
Sd	530.93	cm ²	diaphragm area
Xmax	14	mm	