

Thiele/Small Parameters

43CVR122

Re	3.745	Ohm	electrical voice coil resistance at DC
Krm	0.0053	Ohm	WRIGHT inductance model
Erm	0.89		WRIGHT inductance model
Kxm	0.0342	Ohm	WRIGHT inductance model
Exm	0.75		WRIGHT inductance model
Cmes	850.18	µF	electrical capacitance representing moving mass
Lces	28.92	mH	electrical inductance representing driver compliance
Res	54.595	Ohm	resistance due to mechanical losses
fs	32.15	Hz	driver resonance frequency
Mms	173.2255	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	159.4015	g	mechanical mass of voice coil and diaphragm without air load
Rms	3.7335	kg/s	mechanical resistance of total-driver losses
Cms	0.1415	mm/N	mechanical compliance of driver suspension
Kms	7.055	N/mm	mechanical stiffness of driver suspension
Bl	14.2745	Tm	force factor (Bl product)
Lambda	0.027		suspension creep factor
Qtp	0.6895		total Q-factor considering all losses
Qms	9.3615		mechanical Q-factor of driver in free air considering Rms only
Qes	0.642		electrical Q-factor of driver in free air considering Re only
Qts	0.601		total Q-factor considering Re and Rms only
Vas	56.6238	l	equivalent air volume of suspension
n0	0.2805		reference efficiency (2 pi-radiation using Re)
Lm	86.675	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	86.965	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.16		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.905		root-mean-square fitting error of transfer function Hx (f)
Sd	530.93	cm ²	diaphragm area
Xmax	14	mm	