

Thiele/Small Parameters

43CWRT81

Re	2.07	Ohm	electrical voice coil resistance at DC
Krm	0.0023	Ohm	WRIGHT inductance model
Erm	0.85		WRIGHT inductance model
Kxm	0.0117	Ohm	WRIGHT inductance model
Exm	0.75		WRIGHT inductance model
Cmes	1187.92	µF	electrical capacitance representing moving mass
Lces	11.17	mH	electrical inductance representing driver compliance
Res	42.69	Ohm	resistance due to mechanical losses
fs	43.7	Hz	driver resonance frequency
Mms	87.729	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	84.685	g	mechanical mass of voice coil and diaphragm without air load
Rms	1.73	kg/s	mechanical resistance of total-driver losses
Cms	0.151	mm/N	mechanical compliance of driver suspension
Kms	6.61	N/mm	mechanical stiffness of driver suspension
Bl	8.594	Tm	force factor (Bl product)
Lambda	0.068		suspension creep factor
Qtp	0.723		total Q-factor considering all losses
Qms	13.924		mechanical Q-factor of driver in free air considering Rms only
Qes	0.676		electrical Q-factor of driver in free air considering Re only
Qts	0.645		total Q-factor considering Re and Rms only
Vas	8.0199	l	equivalent air volume of suspension
n0	0.095		reference efficiency (2 pi-radiation using Re)
Lm	81.99	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	81.83	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.84		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.22		root-mean-square fitting error of transfer function Hx (f)
Sd	193.59	cm ²	diaphragm area
Xmax	8	mm	