

Thiele/Small Parameters

43CVR102

Re	3.665	Ohm	electrical voice coil resistance at DC
Krm	0.00585	Ohm	WRIGHT inductance model
Erm	0.885		WRIGHT inductance model
Kxm	0.0419	Ohm	WRIGHT inductance model
Exm	0.73		WRIGHT inductance model
Cmes	907.61	µF	electrical capacitance representing moving mass
Lces	15.03	mH	electrical inductance representing driver compliance
Res	36.515	Ohm	resistance due to mechanical losses
fs	43.15	Hz	driver resonance frequency
Mms	139.844	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	132.243	g	mechanical mass of voice coil and diaphragm without air load
Rms	4.223	kg/s	mechanical resistance of total-driver losses
Cms	0.0975	mm/N	mechanical compliance of driver suspension
Kms	10.29	N/mm	mechanical stiffness of driver suspension
Bl	12.4125	Tm	force factor (Bl product)
Lambda	0.0505		suspension creep factor
Qtp	0.985		total Q-factor considering all losses
Qms	8.994		mechanical Q-factor of driver in free air considering Rms only
Qes	0.902		electrical Q-factor of driver in free air considering Re only
Qts	0.8195		total Q-factor considering Re and Rms only
Vas	17.52825	l	equivalent air volume of suspension
n0	0.15		reference efficiency (2 pi-radiation using Re)
Lm	83.955	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	84.335	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.36		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.98		root-mean-square fitting error of transfer function Hx (f)
Sd	356.33	cm ²	diaphragm area
Xmax	14	mm	