

Thiele/Small Parameters

43CVT102

Re	2.22	Ohm	electrical voice coil resistance at DC
Krm	0.00265	Ohm	WRIGHT inductance model
Erm	0.915		WRIGHT inductance model
Kxm	0.024	Ohm	WRIGHT inductance model
Exm	0.735		WRIGHT inductance model
Cmes	1115.675	µF	electrical capacitance representing moving mass
Lces	14.85	mH	electrical inductance representing driver compliance
Res	33.005	Ohm	resistance due to mechanical losses
fs	39.15	Hz	driver resonance frequency
Mms	127.9145	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	119.988	g	mechanical mass of voice coil and diaphragm without air load
Rms	3.495	kg/s	mechanical resistance of total-driver losses
Cms	0.129	mm/N	mechanical compliance of driver suspension
Kms	7.75	N/mm	mechanical stiffness of driver suspension
Bl	10.719	Tm	force factor (Bl product)
Lambda	0.0415		suspension creep factor
Qtp	0.669		total Q-factor considering all losses
Qms	9.0175		mechanical Q-factor of driver in free air considering Rms only
Qes	0.61		electrical Q-factor of driver in free air considering Re only
Qts	0.571		total Q-factor considering Re and Rms only
Vas	24.5292	l	equivalent air volume of suspension
n0	0.233		reference efficiency (2 pi-radiation using Re)
Lm	85.87	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	85.41	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	4.155		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.97		root-mean-square fitting error of transfer function Hx (f)
Sd	366.44	cm ²	diaphragm area
Xmax	10.5	mm	