Thiele/Small Parameters

43CVT124

Re	3.86	Ohm	electrical voice coil resistance at DC
Krm	0.00385	Ohm	WRIGHT inductance model
Erm	0.92		WRIGHT inductance model
Kxm	0.03935	Ohm	WRIGHT inductance model
Exm	0.715		WRIGHT inductance model
Cmes	799.9	µF	electrical capacitance representing moving mass
Lces	23.76	mH	electrical inductance representing driver compliance
Res	48.685	Ohm	resistance due to mechanical losses
fs	36.5	Hz	driver resonance frequency
Mms	156.9495	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	143.1255	g	mechanical mass of voice coil and diaphragm without air load
Rms	4.034	kg/s	mechanical resistance of total-driver losses
Cms	0.121	mm/N	mechanical compliance of driver suspension
Kms	8.265	N/mm	mechanical stiffness of driver suspension
Bl	14.0085	Tm	force factor (Bl product)
Lambda	0.0675		suspension creep factor
Qtp	0.743		total Q-factor considering all losses
Qms	8.9325		mechanical Q-factor of driver in free air considering Rms only
Qes	0.708		electrical Q-factor of driver in free air considering Re only
Qts	0.6565		total Q-factor considering Re and Rms only
Vas	48.33235	l	equivalent air volume of suspension
n0	0.319		reference efficiency (2 pi-radiation using Re)
Lm	87.24	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	87.395	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	5.08		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.36		root-mean-square fitting error of transfer function Hx (f)
Sd	530.93	cm²	diaphragm area
Xmax	10.5	mm	