Thiele/Small Parameters

46L7T122

Re	3.84	Ohm	electrical voice coil resistance at DC
Krm	0.00525	Ohm	WRIGHT inductance model
Erm	0.895		WRIGHT inductance model
Kxm	0.03305	Ohm	WRIGHT inductance model
Exm	0.76		WRIGHT inductance model
Cmes	1157.485	µF	electrical capacitance representing moving mass
Lces	24.815	mH	electrical inductance representing driver compliance
Res	46.16	Ohm	resistance due to mechanical losses
fs	29.75	Hz	driver resonance frequency
Mms	291.745	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	273.2275	g	mechanical mass of voice coil and diaphragm without air load
Rms	5.4695	kg/s	mechanical resistance of total-driver losses
Cms	0.0985	mm/N	mechanical compliance of driver suspension
Kms	10.175	N/mm	mechanical stiffness of driver suspension
Bl	15.888	Tm	force factor (Bl product)
Lambda	0.046		suspension creep factor
Qtp	0.867		total Q-factor considering all losses
Qms	9.962		mechanical Q-factor of driver in free air considering Rms only
Qes	0.8295		electrical Q-factor of driver in free air considering Re only
Qts	0.7655		total Q-factor considering Re and Rms only
Vas	57.96805	L	equivalent air volume of suspension
n0	0.1765		reference efficiency (2 pi-radiation using Re)
Lm	84.66	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	84.84	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	2.905		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.46		root-mean-square fitting error of transfer function Hx (f)
	0	Ohm	resistance of series resistor
Sd	645.17	cm²	diaphragm area
Xmax	10.25	mm	