Thiele/Small Parameters

46L7T124

Re	7.08	Ohm	electrical voice coil resistance at DC
Krm	0.0098	Ohm	WRIGHT inductance model
Erm	0.87		WRIGHT inductance model
Kxm	0.05665	Ohm	WRIGHT inductance model
Exm	0.74		WRIGHT inductance model
Cmes	652.465	µF	electrical capacitance representing moving mass
Lces	40.89	mH	electrical inductance representing driver compliance
Res	79.1	Ohm	resistance due to mechanical losses
fs	30.8	Hz	driver resonance frequency
Mms	273.1695	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	254.6515	g	mechanical mass of voice coil and diaphragm without air load
Rms	5.295	kg/s	mechanical resistance of total-driver losses
Cms	0.0975	mm/N	mechanical compliance of driver suspension
Kms	10.245	N/mm	mechanical stiffness of driver suspension
Bl	20.465	Tm	force factor (Bl product)
Lambda	0.049		suspension creep factor
Qtp	0.922		total Q-factor considering all losses
Qms	9.99		mechanical Q-factor of driver in free air considering Rms only
Qes	0.8945		electrical Q-factor of driver in free air considering Re only
Qts	0.821		total Q-factor considering Re and Rms only
Vas	57.53225	L	equivalent air volume of suspension
n0	0.181		reference efficiency (2 pi-radiation using Re)
Lm	84.775	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	85.305	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	2.795		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.47		root-mean-square fitting error of transfer function Hx (f)
	0	Ohm	resistance of series resistor
Sd	645.17	cm^2	diaphragm area
Xmax	10.25	mm	