Thiele/Small Parameters

46L7T84

Re	7.415	Ohm	electrical voice coil resistance at DC
Krm	0.00805	Ohm	WRIGHT inductance model
Erm	0.835		WRIGHT inductance model
Kxm	0.0318	Ohm	WRIGHT inductance model
Exm	0.765		WRIGHT inductance model
Cmes	394.66	µF	electrical capacitance representing moving mass
Lces	34.915	mH	electrical inductance representing driver compliance
Res	90.14	Ohm	resistance due to mechanical losses
fs	42.9	Hz	driver resonance frequency
Mms	110.3145	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	105.3295	g	mechanical mass of voice coil and diaphragm without air load
Rms	3.102	kg/s	mechanical resistance of total-driver losses
Cms	0.125	mm/N	mechanical compliance of driver suspension
Kms	8.005	N/mm	mechanical stiffness of driver suspension
Bl	16.718	Tm	force factor (Bl product)
Lambda	0.0855		suspension creep factor
Qtp	0.806		total Q-factor considering all losses
Qms	9.583		mechanical Q-factor of driver in free air considering Rms only
Qes	0.7885		electrical Q-factor of driver in free air considering Re only
Qts	0.7285		total Q-factor considering Re and Rms only
Vas	12.8003	L	equivalent air volume of suspension
n0	0.123		reference efficiency (2 pi-radiation using Re)
Lm	83.1	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	83.43	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.515		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.175		root-mean-square fitting error of transfer function Hx (f)
	0	Ohm	resistance of series resistor
Sd	268.96	cm^2	diaphragm area
Xmax	7.25	mm	