Thiele/Small Parameters

41L784

Re	5.72	Ohm	electrical voice coil resistance at DC
Krm	0.03715	Ohm	WRIGHT inductance model
Erm	0.715		WRIGHT inductance model
Kxm	0.09105	Ohm	WRIGHT inductance model
Exm	0.67		WRIGHT inductance model
Cmes	523.265	µF	electrical capacitance representing moving mass
Lces	20.615	mH	electrical inductance representing driver compliance
Res	75.31	Ohm	resistance due to mechanical losses
fs	48.55	Hz	driver resonance frequency
Mms	158.043	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	152.685	g	mechanical mass of voice coil and diaphragm without air load
Rms	4.0125	kg/s	mechanical resistance of total-driver losses
Cms	0.0685	mm/N	mechanical compliance of driver suspension
Kms	14.715	N/mm	mechanical stiffness of driver suspension
Bl	17.3815	Tm	force factor (Bl product)
Lambda	0.098		suspension creep factor
Qtp	1.1365		total Q-factor considering all losses
Qms	12.007		mechanical Q-factor of driver in free air considering Rms only
Qes	0.9115		electrical Q-factor of driver in free air considering Re only
Qts	0.847		total Q-factor considering Re and Rms only
Vas	7.6978	l	equivalent air volume of suspension
n0	0.0925		reference efficiency (2 pi-radiation using Re)
Lm	81.86	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	83.32	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	2.825		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.215		root-mean-square fitting error of transfer function Hx (f)
Sd	282.24	cm²	diaphragm area
Xmax	17.5	mm	