

Thiele/Small Parameters

41L7122

Re	3.66	Ohm	electrical voice coil resistance at DC
Krm	0.03745	Ohm	WRIGHT inductance model
Erm	0.71		WRIGHT inductance model
Kxm	0.09245	Ohm	WRIGHT inductance model
Exm	0.665		WRIGHT inductance model
Cmes	962.72	µF	electrical capacitance representing moving mass
Lces	24.055	mH	electrical inductance representing driver compliance
Res	57.395	Ohm	resistance due to mechanical losses
fs	33.35	Hz	driver resonance frequency
Mms	340.6535	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	322.57	g	mechanical mass of voice coil and diaphragm without air load
Rms	6.1845	kg/s	mechanical resistance of total-driver losses
Cms	0.068	mm/N	mechanical compliance of driver suspension
Kms	15.02	N/mm	mechanical stiffness of driver suspension
Bl	18.812	Tm	force factor (Bl product)
Lambda	0.095		suspension creep factor
Qtp	0.981		total Q-factor considering all losses
Qms	11.523		mechanical Q-factor of driver in free air considering Rms only
Qes	0.736		electrical Q-factor of driver in free air considering Re only
Qts	0.692		total Q-factor considering Re and Rms only
Vas	38.8833	l	equivalent air volume of suspension
n0	0.184		reference efficiency (2 pi-radiation using Re)
Lm	84.855	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	85.245	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	2.61		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.795		root-mean-square fitting error of transfer function Hx (f)
Sd	635.03	cm ²	diaphragm area
Xmax	21	mm	