

Thiele/Small Parameters

41L7154

Re	5.775	Ohm	electrical voice coil resistance at DC
Krm	0.0674	Ohm	WRIGHT inductance model
Erm	0.66		WRIGHT inductance model
Kxm	0.1253	Ohm	WRIGHT inductance model
Exm	0.65		WRIGHT inductance model
Cmes	686.665	µF	electrical capacitance representing moving mass
Lces	33.485	mH	electrical inductance representing driver compliance
Res	80.65	Ohm	resistance due to mechanical losses
fs	33.2	Hz	driver resonance frequency
Mms	475.625	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	438.249	g	mechanical mass of voice coil and diaphragm without air load
Rms	8.591	kg/s	mechanical resistance of total-driver losses
Cms	0.0485	mm/N	mechanical compliance of driver suspension
Kms	20.685	N/mm	mechanical stiffness of driver suspension
Bl	26.3185	Tm	force factor (Bl product)
Lambda	0.0245		suspension creep factor
Qtp	1.051		total Q-factor considering all losses
Qms	11.548		mechanical Q-factor of driver in free air considering Rms only
Qes	0.827		electrical Q-factor of driver in free air considering Re only
Qts	0.772		total Q-factor considering Re and Rms only
Vas	72.6324	l	equivalent air volume of suspension
n0	0.3085		reference efficiency (2 pi-radiation using Re)
Lm	87.1	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	88.515	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	2.94		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	3.15		root-mean-square fitting error of transfer function Hx (f)
Sd	1030.41	cm ²	diaphragm area
Xmax	21.5	mm	