

Thiele/Small Parameters

41L7104

Re	6.44	Ohm	electrical voice coil resistance at DC
Krm	0.0252	Ohm	WRIGHT inductance model
Erm	0.775		WRIGHT inductance model
Kxm	0.08525	Ohm	WRIGHT inductance model
Exm	0.695		WRIGHT inductance model
Cmes	410.84	µF	electrical capacitance representing moving mass
Lces	38.455	mH	electrical inductance representing driver compliance
Res	103.7	Ohm	resistance due to mechanical losses
fs	40.05	Hz	driver resonance frequency
Mms	218.9735	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	208.5085	g	mechanical mass of voice coil and diaphragm without air load
Rms	5.1405	kg/s	mechanical resistance of total-driver losses
Cms	0.072	mm/N	mechanical compliance of driver suspension
Kms	13.865	N/mm	mechanical stiffness of driver suspension
Bl	23.0875	Tm	force factor (Bl product)
Lambda	0.0025		suspension creep factor
Qtp	0.7905		total Q-factor considering all losses
Qms	10.7205		mechanical Q-factor of driver in free air considering Rms only
Qes	0.666		electrical Q-factor of driver in free air considering Re only
Qts	0.627		total Q-factor considering Re and Rms only
Vas	19.855	l	equivalent air volume of suspension
n0	0.184		reference efficiency (2 pi-radiation using Re)
Lm	84.85	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	85.79	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.75		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.68		root-mean-square fitting error of transfer function Hx (f)
Sd	441	cm ²	diaphragm area
Xmax	18.25	mm	