

Thiele/Small Parameters

44CVX104

Re	7.395	Ohm	electrical voice coil resistance at DC
Krm	0.01315	Ohm	WRIGHT inductance model
Erm	0.9		WRIGHT inductance model
Kxm	0.0927	Ohm	WRIGHT inductance model
Exm	0.725		WRIGHT inductance model
Cmes	249.34	µF	electrical capacitance representing moving mass
Lces	53.865	mH	electrical inductance representing driver compliance
Res	122.76	Ohm	resistance due to mechanical losses
fs	43.85	Hz	driver resonance frequency
Mms	154.1965	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	146.488	g	mechanical mass of voice coil and diaphragm without air load
Rms	5.044	kg/s	mechanical resistance of total-driver losses
Cms	0.087	mm/N	mechanical compliance of driver suspension
Kms	11.78	N/mm	mechanical stiffness of driver suspension
Bl	24.8735	Tm	force factor (Bl product)
Lambda	0.035		suspension creep factor
Qtp	0.601		total Q-factor considering all losses
Qms	8.4665		mechanical Q-factor of driver in free air considering Rms only
Qes	0.5095		electrical Q-factor of driver in free air considering Re only
Qts	0.4805		total Q-factor considering Re and Rms only
Vas	15.89485	l	equivalent air volume of suspension
n0	0.25		reference efficiency (2 pi-radiation using Re)
Lm	86.175	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	86.515	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	5.055		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.915		root-mean-square fitting error of transfer function Hx (f)
Sd	359.68	cm ²	diaphragm area
Xmax	16.25	mm	