

Thiele/Small Parameters

44CVX102

Re	3.35	Ohm	electrical voice coil resistance at DC
Krm	0.0089	Ohm	WRIGHT inductance model
Erm	0.88		WRIGHT inductance model
Kxm	0.0601	Ohm	WRIGHT inductance model
Exm	0.72		WRIGHT inductance model
Cmes	534.95	µF	electrical capacitance representing moving mass
Lces	35.91	mH	electrical inductance representing driver compliance
Res	76.79	Ohm	resistance due to mechanical losses
fs	36.3	Hz	driver resonance frequency
Mms	181.691	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	173.983	g	mechanical mass of voice coil and diaphragm without air load
Rms	4.423	kg/s	mechanical resistance of total-driver losses
Cms	0.106	mm/N	mechanical compliance of driver suspension
Kms	9.46	N/mm	mechanical stiffness of driver suspension
Bl	18.429	Tm	force factor (Bl product)
Lambda	0.061		suspension creep factor
Qtp	0.508		total Q-factor considering all losses
Qms	9.372		mechanical Q-factor of driver in free air considering Rms only
Qes	0.409		electrical Q-factor of driver in free air considering Re only
Qts	0.392		total Q-factor considering Re and Rms only
Vas	19.355	l	equivalent air volume of suspension
n0	0.218		reference efficiency (2 pi-radiation using Re)
Lm	85.58	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	86.36	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.55		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.27		root-mean-square fitting error of transfer function Hx (f)
Sd	359.68	cm ²	diaphragm area
Xmax	16.25	mm	