

Thiele/Small Parameters

43CWR82

Re	3.75	Ohm	electrical voice coil resistance at DC
Krm	0.0021	Ohm	WRIGHT inductance model
Erm	0.945		WRIGHT inductance model
Kxm	0.01885	Ohm	WRIGHT inductance model
Exm	0.785		WRIGHT inductance model
Cmes	700.97	µF	electrical capacitance representing moving mass
Lces	18.16	mH	electrical inductance representing driver compliance
Res	67.985	Ohm	resistance due to mechanical losses
fs	44.6	Hz	driver resonance frequency
Mms	73.451	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	70.522	g	mechanical mass of voice coil and diaphragm without air load
Rms	1.542	kg/s	mechanical resistance of total-driver losses
Cms	0.1735	mm/N	mechanical compliance of driver suspension
Kms	5.77	N/mm	mechanical stiffness of driver suspension
Bl	10.2365	Tm	force factor (Bl product)
Lambda	0.027		suspension creep factor
Qtp	0.7725		total Q-factor considering all losses
Qms	13.3565		mechanical Q-factor of driver in free air considering Rms only
Qes	0.7365		electrical Q-factor of driver in free air considering Re only
Qts	0.698		total Q-factor considering Re and Rms only
Vas	8.73335	l	equivalent air volume of suspension
n0	0.101		reference efficiency (2 pi-radiation using Re)
Lm	82.25	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	82.535	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	4.005		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.065		root-mean-square fitting error of transfer function Hx (f)
Sd	188.69	cm ²	diaphragm area
Xmax	10.5	mm	