

Thiele/Small Parameters

43CWRT671

Re	2.14	Ohm	electrical voice coil resistance at DC
Krm	0.0011	Ohm	WRIGHT inductance model
Erm	0.89		WRIGHT inductance model
Kxm	0.0057	Ohm	WRIGHT inductance model
Exm	0.8		WRIGHT inductance model
Cmes	813.94	µF	electrical capacitance representing moving mass
Lces	10.05	mH	electrical inductance representing driver compliance
Res	39.52	Ohm	resistance due to mechanical losses
fs	55.6	Hz	driver resonance frequency
Mms	43.337	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	41.726	g	mechanical mass of voice coil and diaphragm without air load
Rms	1.347	kg/s	mechanical resistance of total-driver losses
Cms	0.189	mm/N	mechanical compliance of driver suspension
Kms	5.3	N/mm	mechanical stiffness of driver suspension
Bl	7.297	Tm	force factor (Bl product)
Lambda	0.049		suspension creep factor
Qtp	0.628		total Q-factor considering all losses
Qms	11.245		mechanical Q-factor of driver in free air considering Rms only
Qes	0.609		electrical Q-factor of driver in free air considering Re only
Qts	0.578		total Q-factor considering Re and Rms only
Vas	4.2881	l	equivalent air volume of suspension
n0	0.117		reference efficiency (2 pi-radiation using Re)
Lm	82.87	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Ln0m	82.57	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.52		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.37		root-mean-square fitting error of transfer function Hx (f)
Sd	0	Ohm	resistance of series resistor
	126.68	cm ²	diaphragm area
Xmax	5.1	mm	