

Thiele/Small Parameters

43CWRT101

Re	1.97	Ohm	electrical voice coil resistance at DC
Krm	0.0023	Ohm	WRIGHT inductance model
Erm	0.91		WRIGHT inductance model
Kxm	0.0211	Ohm	WRIGHT inductance model
Exm	0.73		WRIGHT inductance model
Cmes	1202.11	µF	electrical capacitance representing moving mass
Lces	23.56	mH	electrical inductance representing driver compliance
Res	62.84	Ohm	resistance due to mechanical losses
fs	29.9	Hz	driver resonance frequency
Mms	154.577	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	147.293	g	mechanical mass of voice coil and diaphragm without air load
Rms	2.046	kg/s	mechanical resistance of total-driver losses
Cms	0.183	mm/N	mechanical compliance of driver suspension
Kms	5.46	N/mm	mechanical stiffness of driver suspension
Bl	11.34	Tm	force factor (Bl product)
Lambda	0.009		suspension creep factor
Qtp	0.491		total Q-factor considering all losses
Qms	14.193		mechanical Q-factor of driver in free air considering Rms only
Qes	0.445		electrical Q-factor of driver in free air considering Re only
Qts	0.432		total Q-factor considering Re and Rms only
Vas	31.1115	l	equivalent air volume of suspension
n0	0.18		reference efficiency (2 pi-radiation using Re)
Lm	84.74	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	84.8	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	4.06		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.58		root-mean-square fitting error of transfer function Hx (f)
Sd	346.36	cm ²	diaphragm area
Xmax	10.5	mm	