

Thiele/Small Parameters

43CWR152

Re	3.75	Ohm	electrical voice coil resistance at DC
Krm	0.0059	Ohm	WRIGHT inductance model
Erm	0.94		WRIGHT inductance model
Kxm	0.04555	Ohm	WRIGHT inductance model
Exm	0.775		WRIGHT inductance model
Cmes	658.83	µF	electrical capacitance representing moving mass
Lces	47.88	mH	electrical inductance representing driver compliance
Res	106.14	Ohm	resistance due to mechanical losses
fs	28.3	Hz	driver resonance frequency
Mms	301.627	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	275.6115	g	mechanical mass of voice coil and diaphragm without air load
Rms	4.3135	kg/s	mechanical resistance of total-driver losses
Cms	0.1045	mm/N	mechanical compliance of driver suspension
Kms	9.565	N/mm	mechanical stiffness of driver suspension
Bl	21.3965	Tm	force factor (Bl product)
Lambda	-0.0205		suspension creep factor
Qtp	0.5075		total Q-factor considering all losses
Qms	12.4505		mechanical Q-factor of driver in free air considering Rms only
Qes	0.44		electrical Q-factor of driver in free air considering Re only
Qts	0.425		total Q-factor considering Re and Rms only
Vas	96.94315	l	equivalent air volume of suspension
n0	0.482		reference efficiency (2 pi-radiation using Re)
Lm	89.03	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Ln0m	89.31	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	2.995		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	3.355		root-mean-square fitting error of transfer function Hx (f)
Sd	809.28	cm ²	diaphragm area
Xmax	14.5	mm	