

Thiele/Small Parameters

43CWR154

Re	7.19	Ohm	electrical voice coil resistance at DC
Krm	0.00845	Ohm	WRIGHT inductance model
Erm	0.96		WRIGHT inductance model
Kxm	0.07965	Ohm	WRIGHT inductance model
Exm	0.76		WRIGHT inductance model
Cmes	376.8	µF	electrical capacitance representing moving mass
Lces	76.26	mH	electrical inductance representing driver compliance
Res	171.625	Ohm	resistance due to mechanical losses
fs	29.7	Hz	driver resonance frequency
Mms	283.6865	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	257.6715	g	mechanical mass of voice coil and diaphragm without air load
Rms	4.3965	kg/s	mechanical resistance of total-driver losses
Cms	0.101	mm/N	mechanical compliance of driver suspension
Kms	9.875	N/mm	mechanical stiffness of driver suspension
Bl	27.44	Tm	force factor (Bl product)
Lambda	-0.034		suspension creep factor
Qtp	0.5655		total Q-factor considering all losses
Qms	12.065		mechanical Q-factor of driver in free air considering Rms only
Qes	0.505		electrical Q-factor of driver in free air considering Re only
Qts	0.485		total Q-factor considering Re and Rms only
Vas	93.8835	l	equivalent air volume of suspension
n0	0.468		reference efficiency (2 pi-radiation using Re)
Lm	88.9	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	89.365	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.24		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.82		root-mean-square fitting error of transfer function Hx (f)
Sd	0	Ohm	resistance of series resistor
	809.28	cm ²	diaphragm area
Xmax	14.5	mm	