

Thiele/Small Parameters

43CWR124

Re	6.975	Ohm	electrical voice coil resistance at DC
Krm	0.0092	Ohm	WRIGHT inductance model
Erm	0.895		WRIGHT inductance model
Kxm	0.05965	Ohm	WRIGHT inductance model
Exm	0.745		WRIGHT inductance model
Cmes	478.55	µF	electrical capacitance representing moving mass
Lces	57.855	mH	electrical inductance representing driver compliance
Res	135.04	Ohm	resistance due to mechanical losses
fs	30.25	Hz	driver resonance frequency
Mms	172.3025	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	159.414	g	mechanical mass of voice coil and diaphragm without air load
Rms	2.6665	kg/s	mechanical resistance of total-driver losses
Cms	0.1605	mm/N	mechanical compliance of driver suspension
Kms	6.22	N/mm	mechanical stiffness of driver suspension
Bl	18.9755	Tm	force factor (Bl product)
Lambda	-0.015		suspension creep factor
Qtp	0.681		total Q-factor considering all losses
Qms	12.282		mechanical Q-factor of driver in free air considering Rms only
Qes	0.634		electrical Q-factor of driver in free air considering Re only
Qts	0.6025		total Q-factor considering Re and Rms only
Vas	58.3798	l	equivalent air volume of suspension
n0	0.245		reference efficiency (2 pi-radiation using Re)
Lm	86.09	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	86.685	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	2.4		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.575		root-mean-square fitting error of transfer function Hx (f)
Sd	506.71	cm ²	diaphragm area
Xmax	14	mm	