

Thiele/Small Parameters

43CWR102

Re	3.745	Ohm	electrical voice coil resistance at DC
Krm	0.0031	Ohm	WRIGHT inductance model
Erm	0.955		WRIGHT inductance model
Kxm	0.02755	Ohm	WRIGHT inductance model
Exm	0.785		WRIGHT inductance model
Cmes	683.365	μF	electrical capacitance representing moving mass
Lces	37.885	mΗ	electrical inductance representing driver compliance
Res	82.24	Ohm	resistance due to mechanical losses
fs	31.25	Hz	driver resonance frequency
Mms	145.829	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	138.545	g	mechanical mass of voice coil and diaphragm without air load
Rms	2.5965	kg/s	mechanical resistance of total-driver losses
Cms	0.1775	mm/N	mechanical compliance of driver suspension
Kms	5.635	N/mm	mechanical stiffness of driver suspension
BI	14.6085	Tm	force factor (BI product)
Lambda	0.005		suspension creep factor
Qtp	0.5395		total Q-factor considering all losses
Qms	11.0435		mechanical Q-factor of driver in free air considering Rms only
Qes	0.503		electrical Q-factor of driver in free air considering Re only
Qts	0.4815		total Q-factor considering Re and Rms only
Vas	30.1393	T	equivalent air volume of suspension
n0	0.176		reference efficiency (2 pi-radiation using Re)
Lm	84.66	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	84.945	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.9		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.285		root-mean-square fitting error of transfer function Hx (f)
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50	346.36	Cm ²	alaphragm area
Xmax	14	mm	

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