

Thiele/Small Parameters

44CVX154

Re	7.595	Ohm	electrical voice coil resistance at DC
Krm	0.0271	Ohm	WRIGHT inductance model
Erm	0.835		WRIGHT inductance model
Kxm	0.1218	Ohm	WRIGHT inductance model
Exm	0.715		WRIGHT inductance model
Cmes	289.76	µF	electrical capacitance representing moving mass
Lces	123.895	mH	electrical inductance representing driver compliance
Res	299.325	Ohm	resistance due to mechanical losses
fs	26.6	Hz	driver resonance frequency
Mms	306.2285	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	278.474	g	mechanical mass of voice coil and diaphragm without air load
Rms	3.531	kg/s	mechanical resistance of total-driver losses
Cms	0.117	mm/N	mechanical compliance of driver suspension
Kms	8.54	N/mm	mechanical stiffness of driver suspension
Bl	32.51	Tm	force factor (Bl product)
Lambda	0.0215		suspension creep factor
Qtp	0.444		total Q-factor considering all losses
Qms	14.483		mechanical Q-factor of driver in free air considering Rms only
Qes	0.3675		electrical Q-factor of driver in free air considering Re only
Qts	0.3585		total Q-factor considering Re and Rms only
Vas	118.41785	l	equivalent air volume of suspension
n0	0.581		reference efficiency (2 pi-radiation using Re)
Lm	89.84	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	90.075	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.535		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.11		root-mean-square fitting error of transfer function Hx (f)
Sd	844.96	cm ²	diaphragm area
Xmax	19.25	mm	