

Thiele/Small Parameters

44CVX124

Re	6.46	Ohm	electrical voice coil resistance at DC
Krm	0.0221	Ohm	WRIGHT inductance model
Erm	0.835		WRIGHT inductance model
Kxm	0.1131	Ohm	WRIGHT inductance model
Exm	0.705		WRIGHT inductance model
Cmes	327.885	µF	electrical capacitance representing moving mass
Lces	74.645	mH	electrical inductance representing driver compliance
Res	179.605	Ohm	resistance due to mechanical losses
fs	32.15	Hz	driver resonance frequency
Mms	224.49	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	210.9825	g	mechanical mass of voice coil and diaphragm without air load
Rms	3.812	kg/s	mechanical resistance of total-driver losses
Cms	0.109	mm/N	mechanical compliance of driver suspension
Kms	9.175	N/mm	mechanical stiffness of driver suspension
Bl	26.166	Tm	force factor (Bl product)
Lambda	0.0405		suspension creep factor
Qtp	0.526		total Q-factor considering all losses
Qms	11.9045		mechanical Q-factor of driver in free air considering Rms only
Qes	0.4285		electrical Q-factor of driver in free air considering Re only
Qts	0.4135		total Q-factor considering Re and Rms only
Vas	42.1736	l	equivalent air volume of suspension
n0	0.3155		reference efficiency (2 pi-radiation using Re)
Lm	87.185	dB	characteristic sound pressure level (SPL at 1m for 1W @ Re)
Lnom	88.115	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	3.18		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	2.22		root-mean-square fitting error of transfer function Hx (f)
Sd	522.79	cm ²	diaphragm area
Xmax	16.25	mm	