

Thiele/Small Parameters

44CVX152

Re Krm	4.23 0.0151	Ohm Ohm	electrical voice coil resistance at DC WRIGHT inductance model
Erm	0.86		WRIGHT inductance model
Kxm	0.0657	Ohm	WRIGHT inductance model
Exm	0.75	_	WRIGHT inductance model
Cmes	4/6.03	µ⊢	electrical capacitance representing moving mass
LCes	170 17	MH	electrical inductance representing driver compliance
nes fe	26		driver resonance frequency
10	20	1 12	
Mms	334.978	g	mechanical mass of driver diaphragm assembly including air load and voice coil
Mmd	307.223	g	mechanical mass of voice coil and diaphragm without air load
Rms	4.064	kg/s	mechanical resistance of total-driver losses
Cms	0.112	mm/N	mechanical compliance of driver suspension
Kms	8.94	N/mm	mechanical stiffness of driver suspension
BI	26.527	Im	force factor (BI product)
Lambda	0.006		suspension creep factor
Qtp	0.408		total Q-factor considering all losses
Qms	13.465		mechanical Q-factor of driver in free air considering Rms only
Qes	0.329		electrical Q-factor of driver in free air considering Re only
Qts	0.321		total Q-factor considering Re and Rms only
Vas	113.052	I	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	89.6	dB	nominal sensitivity (SPL at 1m for 1W @ Zn)
rmse Z	4.1		root-mean-square fitting error of driver impedance Z(f)
rmse Hx	1.91		root-mean-square fitting error of transfer function Hx (f)
Sd	844.96	cm²	diaphragm area
Xmax	19.0	mm	

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