

# TDA-29

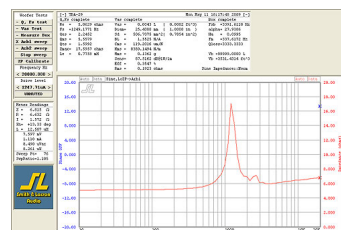
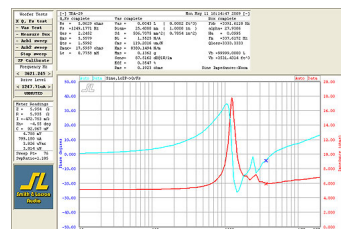
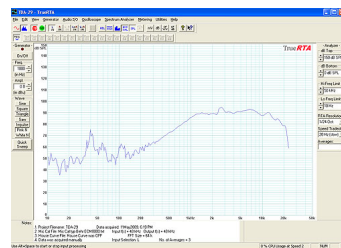
Written by Administrator

Monday, 06 April 2009 07:34 - Last Updated Wednesday, 27 May 2009 02:50



{rokbox}images/stories/product/tda29a.jpg{/rokbox} TDA-29

Power 80W.  
Impedance 4 Ohm.  
Frequency response 800Hz. – 16 KHz.  
Sensitivity 1W / 1 M. 90 db.  
Voice coil Dia. 25.6 mm.  
Magnet Ferrite strontium 70 x 15 mm



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--- BassBox Pro Version 3.03, Export Thiele-Small Format  
--- May 11,2009, Mon 6:14PM  
--- TDA-29  
--- Parameters marked with \*\* are not tested using the WT2  
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--- mechanical ---

Fs	1.249E+03 Hz	Free air resonance
Qms	5.558E+00	Q mechanical
Vas	4.348E-06 m <sup>3</sup>	Suspension compliance
Cms	119.202E-06 m/N	1/(suspension stiffness)
Mms	136.179E-06 kg	Moving mass
Rms	192.312E-03 kg/s	Mechanical resistance
Xmax **	0.000E+00 m	Maximum acoustic linear motion
Xmech**	0.000E+00 m	Mechanical displacement
Dia	25.400E-03 m	Piston diameter
Sd	506.707E-06 m <sup>2</sup>	Piston area
Vd **	0.000E+00 m <sup>3</sup>	Displacement volume

--- electrical ---

Qes	2.245E+00	Q electrical
Re	5.063E+00 ohms	Voice coil DC resistance
Le	775.828E-06 Henries	Inductance @1 kHz
Z	8.773E+00 ohms	Impedance @1 kHz
BL	1.552E+00 Tm	Motor force - Newtons/Amp
Pe **	0.000E+00 W	Max Electrical Power

--- electro-mechanical ---

Qts	1.599E+00	Q total
no	354.669E-03 %	1/2-space ref efficiency @ 1m/1W
1-W SPL	87.516E+00 dB	sensitivity at 1m on-axis
2.83V SPL	89.503E+00 dB	sensitivity at 1m on-axis

--- motor constants ---

Krm	15.805E-03 ohms	constant resistive motor impedance
Erm	390.114E-03	exponent resistive motor impedance
Kxm	88.948E-06 Henries	constant reactive motor impedance
Exm	839.728E-03	exponent reactive motor impedance

--- End BassBox Pro Export ---