

TDA-27

Written by Administrator

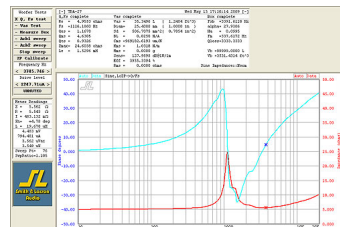
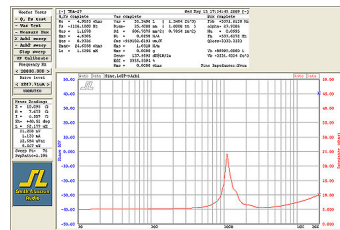
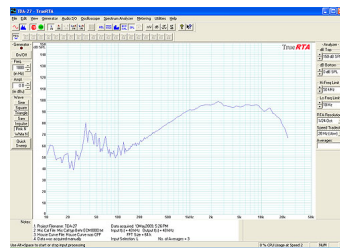
Monday, 06 April 2009 07:34 - Last Updated Friday, 21 October 2016 02:37



{rokbox}images/stories/product/tda27a.jpg{/rokbox}
{rokbox}images/stories/product/tda27b.jpg{/rokbox}

SPECIFICATIONS

Nominal Impedance : 6 ohm
Program Power : 80-120w.
Frequency range : 2Khz – 22KHz
Voice coil diameter : 25.6mm.



--- BassBox Pro Version 3.03, Export Thiele-Small Format
--- May 13,2009, Wed 5:10PM
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--- Parameters marked with ** are not tested using the WT2

--- mechanical ---

Fs	1.116E+03 Hz	Free air resonance
Qms	4.630E+00	Q mechanical
Vas	35.350E-03 m ³	Suspension compliance
Cms	969.183E-03 m/N	1/(suspension stiffness)
Mms	20.978E-09 kg	Moving mass
Rms	31.773E-06 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 ²	Piston area
Vd **	0.000E+00 m ³	Displacement volume

--- electrical ---

Qes	1.168E+00	Q electrical
Re	4.955E+00 ohms	Voice coil DC resistance
Le	1.530E-03 Henries	Inductance @1 kHz
Z	14.392E+00 ohms	Impedance @1 kHz
BL	24.986E-03 Tm	Motor force - Newtons/Amp
Pe **	0.000E+00 W	Max Electrical Power

--- electro-mechanical ---

Qts	932.589E-03	Q total
no	3.955E+03 %	1/2-space ref efficiency @ 1m/1W
1-W SPL	127.990E+00 dB	sensitivity at 1m on-axis
2.83V SPL	130.070E+00 dB	sensitivity at 1m on-axis

--- motor constants ---

Krm	49.338E-06 ohms	constant resistive motor impedance
Erm	930.337E-03	exponent resistive motor impedance
Kxm	54.876E-09 Henries	constant reactive motor impedance
Exm	1.585E+00	exponent reactive motor impedance

--- End BassBox Pro Export ---