

## Electronics Software listing

### Summary of programs:

Software	Use	Size
ABC012.exe	Handy phase sequence calculator	4KB
audio-osc.zip	Up to 24 bit 96K sine wave generation stereo L / R / L+R / L-R. 10-48 kHz with Burst Sine, Square, Triangle, Noise, Sweeps from 1 to 20000 Hz, Saw tooth, Pulse trains, Sine plus Noise, DTMF tones, warble sweeps.	258MB
battery_simulater.zip	Program to simulate battery discharge. Use to determine how long a battery will last on project you built.	464KB
blitz.zip	A program which allows the user to design microwave filters in waveguide. Waveguide filters are generally appropriate in the frequency range of 1 to 100 GHz. They are characterized by large size (at lower frequencies), High "Q", and low loss.	87 KB
BLMan.zip	YP's Binary Logic Manipulator is an application software for performing logical calculations on two binary numbers. (supports maximum 64-bit). Inputs and results can also be viewed in hexadecimal format. 18 k	18K
calcucl.zip	This program is designed for use by planning and system design engineers (NMT, GSM, AMPS). It includes RF engineering and traffic tools.	215KB
cascade.zip	Noise Figure, Gain, P1db and Intercept point calculation for cascaded amplifiers, mixers, filters, etc. This is the old DOS version from Amplifonix	178KB
coolcatv20c.exe	Engineering program for heat sinks. Enter thermal characteristics for the semiconductor you are going to cool, you get them from the data books data sheet for the chip you are cooling. Gives you all the thermal information and Aavids part # for heat sink.	3MB
demo.exe	Design any imaginable LC filter, as well as comb-line and interdigital types	296KB
Dielectric Test.zip	Software that Records test parameters and loads them via an IEEE interface	2.93 MB.
dwininstall.exe	Digital Works 3.04 is a graphical design tool that enables you to construct digital logic circuits and to analyze their behavior through real time simulation	1.6MB
ecap302.zip	PC-ECAP is an easy to use AC circuit analysis program which analyzes circuits consisting of	146KB

	resistors, capacitors, inductors, transformers, transmission lines, transistors (both bipolar and FETs), operational amplifiers and transconductance amplifiers.	
electronic_design.zip	Program to calculate resistor values for transistor class "a" stage amplifier. Also op-amp filters, zener diode dropping resistor, 555 timer, filter cap's plus more.	295KB
Eqresistors.zip	Calculates resistor combinations for value needed	229KB
Filter-Design.exe	Does graphic analyses of all kinds on the circuit it designs	11.66MB
freq.zip	The Frequency Analyzer (download now) technically speaking performs a Fast Fourier Transform of the sound (you need a sound card and a microphone to use this program). What it means is that it analyzes your voice and splits it into its component frequencies	74KB
habala.zip	HbFree is intended for simulation of radio frequency (RF) and microwave (MW) analog non-autonomous circuits under multi-tone excitations. It was developed for MW mixers and power amplifiers design	456KB
HOMER252Beta.zip	HOMER is a computer model that simplifies the task of evaluating design options for both off-grid and grid-connected power systems for remote, stand-alone, and distributed generation (DG) applications.	2.51MB
lf101_setup.exe	Logic Friday is a tool of combinational logic analysis, minimization, and gate synthesis. You can enter a logic function as a truth table, equation, or gate diagram and minimize it with espresso. You can automatically generate a multi-level gate diagram using standard IC packages chosen from a gate library. You can trace gate logic, compare functions, generate C code lookup functions	865 KB
MiscEl.zip	The program contains a lot of pages with different electronic calculations. Each page contains one or more different calculations	1.21MB
pcbtemp.zip	Looks at the relationship between trace current, geometry, and temperature rise of PCB traces. If you are making a high current circuit like triac/scr etc. this tells you voltage drop, resistance change	15KB
pll.zip	Program from National Semiconductor designs a second or third order Phase Lock Loop.	667KB
resist.zip	Calculate the value of resistors for voltage divider and op-amps etc.	166KB

SAG1.exe	Voltage sag analysis and propagation	76KB
SMS6.3.zip	This program by National Semiconductor allows the user to design a switched mode power supply using one of National's "Simple Switcher" chips	24.53MB
speaker-3.zip	A collection of 3 simple little programs to design speaker enclosures including the cross over network.	1.05MB
spice.zip	SPICE is the celebrated nonlinear circuit simulator from Berkeley	410KB
spur.exe	This program finds spurs within a Translation Loop or Offset PLL often used in phase-modulated transmitters.	540KB
srd.zip	Calculates component values for an SRD frequency multiplier based on HP Application	347KB
stub.zip	Design a printed broad band bypass using a Microstrip Radial Stub	36KB
swcadiii.exe	This spice simulator is supplied by the folks at Linear technology. It's optimized for LTC switching power supply analysis.	7.25MB
tcomp.zip	Designs a thermistor temp comp network for a three point fit.	42KB
ti-opamp.zip	TI Op-amp designer program. The best for designing using TI op-amps	7MB
uconeer.zip	This free units conversion program is designed specifically for engineers.	501KB
unequal.zip	Designs a resistive power divider for unequal power split	1.53MB
winRLC.zip	Program to calculate RF filters. RC/RL low/high/band pass and design coils	680KB
wiregage.zip	Calculated trace resistance at a given length and temperature, and voltage drop across the trace for a given current	11KB
Y2F.EXE	Use to calculate noise figure when all you have are a noise source, and an RF power indicator. Y factor is the ratio of RF output power with the noise source ON to RF output with the noise source off. If you know the ENR of the noise source, and measure the Y factor, you can calculate the system noise figure.	63KB
yzbuild.zip	power system software	155KB