

ResistorCode version 1.0

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1. Description

ResistorCode is an application which makes it possible to determine the color code from the a resistor value or to determine the value of a resistor from its color code. The majority of resistors types have color codes to indicate their values. In this application we have established 3 types of resistors (4, 5 and 6 bands), the color code obeys the following rule:

-) 4 bands :the two firsts bands represent significative numbers, the third band represent multiplier

and the forth band is the tolerance (error percentage).

-) 5 bands : the three firsts bands represent significative numbers, the forth band represent multiplier

and the fifth band is the tolerance.

-) 6 bands : the three firsts bands represent significative numbers, the forth band represent multiplier,

the fifth band is the tolerance and the last one is for the temperature coefficient .

In addition, we have add SM resitor decode feature.

ResistorCode is a shareware, following the evaluation period, if this product feet what you need, you can buy it by visiting the page :

<http://www.abcelectronique.com/appPDA>

Restriction on shareware version :

- Resistors types of 5 and 6 bands are not included in the evaluation version.
- some screens are displayed to announce you that you are in shareware version

Please refer to the file license.txt

2. Installation

2-1. Pre required before installation:

To make a success of the installation, you must have the following minimum configuration:

Operating system Windows

Minimum disk space: 500 KB

Zip utility decompression files

HotSync (utility normally provided at the time of the purchase of your PDA)

Operating system PalmOS > = 3

Minimum Free memory on your Palm: 200 KB

ResistorCode.zip contains the following files:

- ResistorCode_install.exe: the application files for your Palm
- doc\licence.txt: licence of this product

- doc\licenceSW.txt: licence of SuperWaba
- doc>manual.pdf: this document

2-2. Installation :

Decompress the ResistorCode.zip file, execute MemoCircuits_install.exe and follow the instructions, the installation automatically place necessary files in your HotSync.

3. Uses

Once the ResistorCode application launched on your Palm, you obtain the following window:

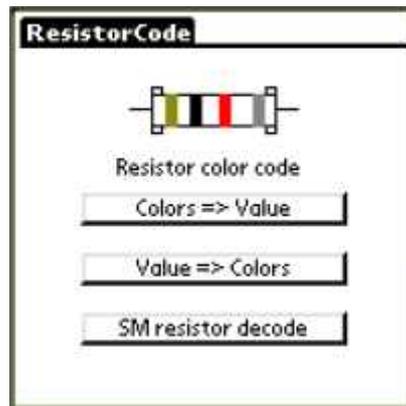


Figure 1 : Main window

Three buttons appear in it: the first « Colors => value » allows to determine the value of a resistor from its color code, the second "Value => colors" allows to deduce the code color from a resistor value. With the third button "Decoding SM resistor" you can find the value of a SM resistor from it's code.

Menu Colors => value :

By activating this button you obtain the following window :

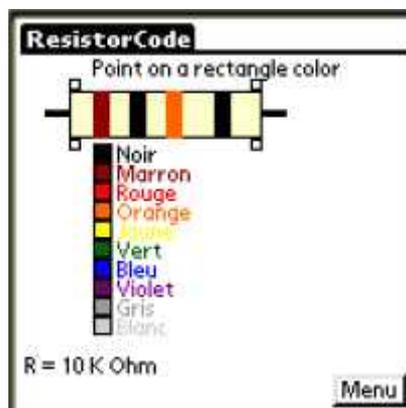


Figure 2 : Colors => value window

In this window (Figure 2) we determine the value of a resistor from his color code. To modify the color of a band, point with your pen on a band, a list of colors will be displayed and which

contain the possible colors for that band, it will then be necessary to point towards one of the rectangle defines by its color to modify the color of band. Repeat the operation for each band. The resistor value will be displayed in bottom, further information like precision and temperature coefficient may be displayed.

Menu Value => colors :

If you do not know the color code of a resistor, this option will help you to find it if the color code exists (figure 3).

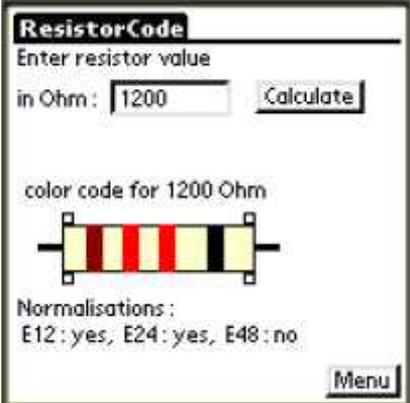


Figure 3 : To find the colors starting from a value.

Enter the resistor value in Ohm, click on calculate and color codes it will appear. This application also makes it possible to determine if the value that you entered is standardized or not. Standardization available for this software are E12, E24 and E48.

SM resistor menu :

To determine the value of a Surface mount resistor, type the code and click on calculate. Its actual value will be displayed in bottom of the screen (figure 4).

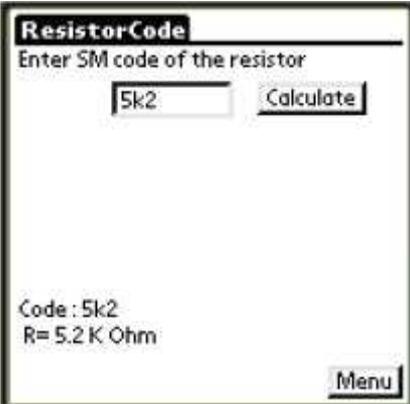


Figure 4 : SM resistor

Menu Bar:

To change the number of bands, click on the menu bar - > preference. A window will be displayed which will enable you to choose the number of bands (4, 5 or 6). Validate your choice and you will automatically turn to the principal menu.

5. Crédits

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