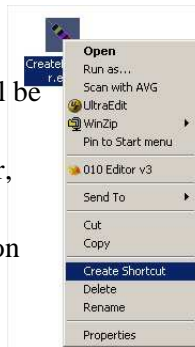


INSTALLATION

To install the programme simply extract all the files in CRinstall.zip to a folder of your choice. This will be referred to later as *Your Folder*.

If you want an Icon on your Desktop simply right click on the Icon for CreateResistor.exe in your folder, select Create Shortcut, and drag the created shortcut Icon onto your desktop.

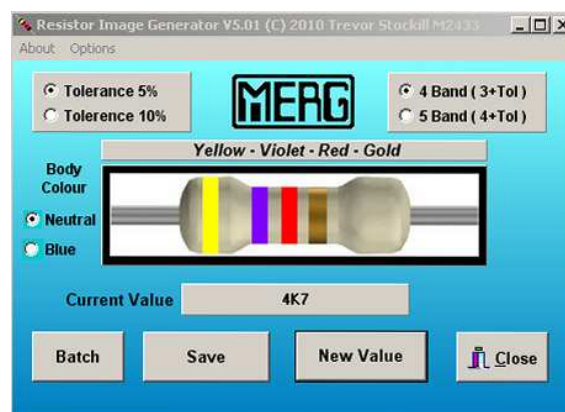
CreateResistor does not use any registry resources and can simply be removed by deleting the installation folder and its contents.



CreateResistor is © Trevor Stockill 2010. This version (5.01) is supplied free of charge to members and prospective members of MERG.

This programme is provided as is. No Warrantee is given or implied as to its accuracy or suitability for any use or purpose.

Using The Programme

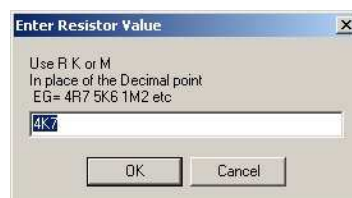


When first invoked a 4K7 resistor will be shown in the image, the body colour will be neutral the resistor will have 3 bands for the value and a tolerance band (gold) denoting 5% tolerance.

The band colours appear above the resistor reading left to right.

The current value panel will show 4K7 (4,700 Ω). Use the tolerance button to change the tolerance (5% / 10%) for a 3 Band resistor or (1% / 2%) for a 4 Band Resistor. The body colour can be changed using the Body Colour button.

To enter a new value Click on either the image, the Current Value Panel or the New Value Panel.



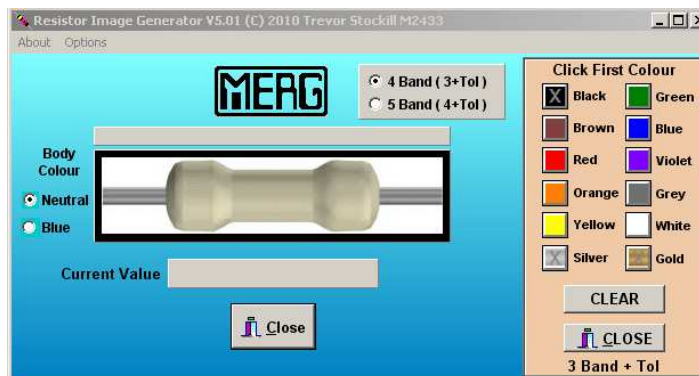
Be sure to use R K or M in place of the decimal point. E.G. R47 2R2 100R 4K7 56K 220K 1M2 10M etc.

Clicking the Save Button will save a resistor image as a bit map in the Images folder. The Image will be saved as a windows .bmp file in the format Value_X%.bmp for example 4K7_5%.bmp. Clicking the Batch button will save a complete set of resistors in the selected format.

All files are created in the folder *Your Folder* \ Images



Clicking on the options Menu produces a drop down box from which two further functions can be accessed. Clicking on “Decode Unknown” allows you to enter the band of a resistor of unknown value.



Select the coloured button in turn to create the bands on the resistor. When all the bands have been entered the value is shown in the “Current Value” box. Buttons marked with “X” are disabled for certain band positions. The Cursor will change to a finger when placed over a valid button.

EN 60062:2005 Colour Table

The 4 Band resistor colour code consists of 4 bands. Bands 1-2 are the significant digits. Band 3 is the Multiplier. Band 4 is the tolerance. The 4 band code caters for resistors between the values of 0.1 ohms to 99 Mohms.

The 5 Band resistor colour code consists of 5 bands. Bands 1-3 are the significant digits. Band 4 is the Multiplier. Band 5 is the tolerance. The 5 band code caters for resistors between the values of 1 ohm to 999000 Mohms.

Colour	Sig. Digits	Multiplier	Tolerance
Black	0	$\times 10^0$	-
Brown	1	$\times 10^1$	1%
Red	2	$\times 10^2$	2%
Orange	3	$\times 10^3$	-
Yellow	4	$\times 10^4$	-
Green	5	$\times 10^5$	0.5%
Blue	6	$\times 10^6$	0.25%
Violet	7	$\times 10^7$	0.1%
Gray	8	$\times 10^8$	0.05%
White	9	$\times 10^9$	-
Gold	-	$\times 10^{-1}$	5%
Silver	-	$\times 10^{-2}$	10%

Clicking on “Show Table” displays the colour code table as per EN 60062:2005.

Enjoy.

If you have any suggestions and / or constructive criticism I can be contacted by Email trevor.stockill@btinternet.com