

# RESISTOR COLOUR CODE



RESISTOR COLOUR CHART

1st Digit      2nd Digit      3rd Digit      Multiplier      tol

0	black
1	brown
2	red
3	orange
4	yellow
5	green
6	blue
7	purple
8	silver
9	white

0	black
1	brown
2	red
3	orange
4	yellow
5	green
6	blue
7	purple
8	silver
9	white

0	black
1	brown
2	red
3	orange
4	yellow
5	green
6	blue
7	purple
8	silver
9	white

0	black
1	brown
2	red
3	orange
4	yellow
5	green
6	blue
7	purple
8	silver
9	white

1%
2%

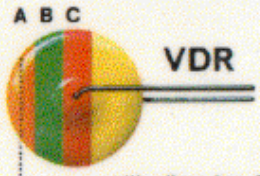
5% Gold
10% Silver

0 BYE  
 1 BYE  
 2 ROSSIE  
 3 OFF  
 4 YOU  
 5 GO  
 6 BRISTOL  
 7 VIA  
 8 GREAT  
 9 WESTERN

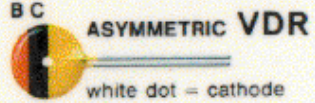


5      6      0      2      1

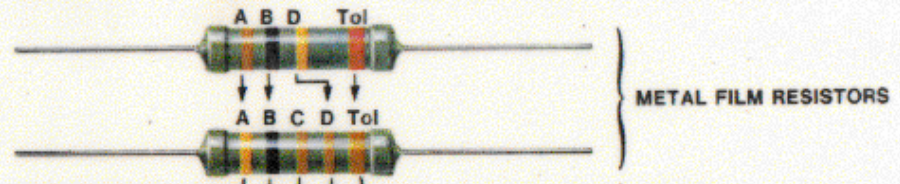
# COLOUR CODE FOR RESISTORS AND CAPACITORS



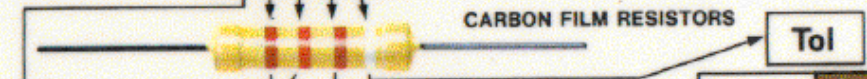
with silver top 10% tol.



MINIATURE CERAMIC CAPACITORS



Note: The absence of a tolerance band indicates  $\pm 20\%$  tolerance for resistors; for capacitors refer to data on specific types.



A	B	C	D
0	0	0	$\times 1 \Omega / \mu F$
1	1	1	$\times 10$
2	2	2	$\times 100$
3	3	3	$\times 1K$

Tol
$\pm 1\%$
$\pm 2\%$
$\pm 5\%$
$\pm 10\%$
$\pm 20\%$
$\pm 10\%$

**NTC**

with silver top 10% tol.



Note: For NTC thermistors the colour code reads from bottom to top, i.e. BCD

**FLAT FILM CAPACITORS**

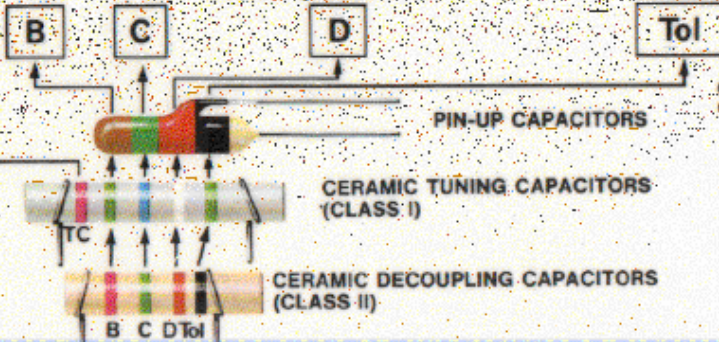
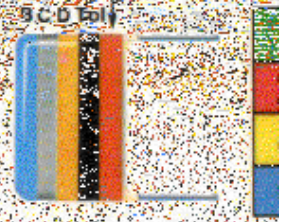
Rated voltage (V)	Value ( $\mu F$ )
100	10
250	16
400	4
630	40
	6.3
	16
	63
	25
	2.5

**TC**

$+100 \times 10^{-6}$	
$0 \times 10^{-6}$	
$-75 \times 10^{-6}$	
$-150 \times 10^{-6}$	
$-220 \times 10^{-6}$	
$-330 \times 10^{-6}$	
$-470 \times 10^{-6}$	
$-750 \times 10^{-6}$	
$-1500 \times 10^{-6}$	

4	4	4	$\times 10\%$
5	5	5	$\times 100\%$
6	6	6	$\times 1M$
7	7	7	$\times 0.1 \mu F$
8	8	8	$\times 0.01 \mu F$
9	9	9	$\times 0.01 \Omega$
			$\times 0.01 \Omega$

$> 10 \mu F$	$\pm 5\%$
	$\pm 2\%$
	$\pm 1\%$
$C < 10 \mu F$	$\pm 1 \mu F$
	$\pm 0.5 \mu F$
	$\pm 0.25 \mu F$
	$\pm 0.1 \mu F$



Coding Example  $6.8 \mu F / 25$  volts

