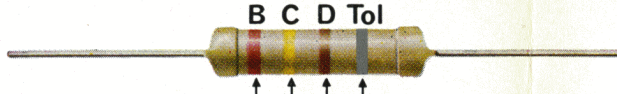


COLOUR CODE FOR RESISTORS AND CAPACITORS

CARBON RESISTORS

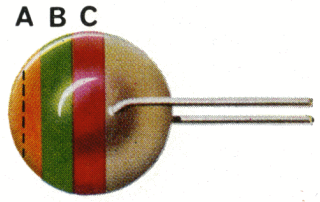


PIN-UP CAPACITORS



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

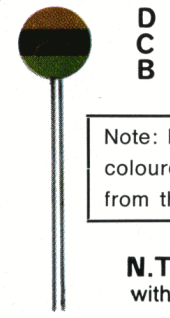
| A | B | C | D | Tol |
|---|---|---|------------------------|------------|
| 0 | 0 | 0 | $\times 1 \Omega / pF$ | $\pm 20\%$ |
| 1 | 1 | 1 | $\times 10$ | $\pm 10\%$ |
| 2 | 2 | 2 | $\times 100$ | $\pm 5\%$ |
| 3 | 3 | 3 | $\times 1000$ | $\pm 2\%$ |
| | 4 | 4 | $\times 10.000$ | $\pm 1\%$ |
| | 5 | 5 | $\times 100.000$ | |
| | 6 | 6 | $\times 1.000.000$ | |
| | 7 | 7 | $\times 0.1 pF$ | |
| | 8 | 8 | $\times 0.01 pF$ | |
| | 9 | 9 | $\times 0.1 \Omega$ | |
| | B | C | D | |



V.D.R.
with silvertop 10% tol.

TC

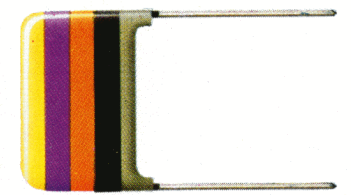
| | |
|-----------------------|--|
| -0×10^{-6} | |
| -150×10^{-6} | |
| -750×10^{-6} | |



Note: For N.T.C. resistors the colourcode should be read from the lead end to the top.

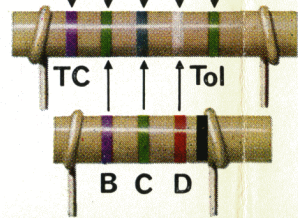
N.T.C.
with silvertop 10% tol.

BCD Tol



FLAT FOIL CAPACITORS

PHILIPS INDUSTRIAL COMPONENTS
AND MATERIALS DIVISION



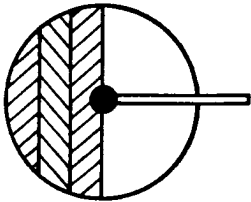
CERAMIC CAPACITOR CLASS I: TUNING PURPOSES

CERAMIC CAPACITOR CLASS II: DECOUPLING PURPOSES

STANDARD VDR DISC COLOUR CODING (E 299D./P...)

Colourband A indicates measuring current

A B C



| A | measuring current |
|---|-------------------|
| 1 | 100 mA |
| 2 | 10 mA |
| 3 | 1 mA |

Silvertip 10% tolerance

Colourbands B and C indicate voltage at measuring current

| B | C | voltage |
|---|---|---------|
| 1 | 6 | 8 V |
| 1 | 8 | 10 V |
| 2 | 0 | 12 V |
| 2 | 2 | 15 V |
| 2 | 4 | 18 V |
| 2 | 6 | 22 V |
| 2 | 8 | 27 V |
| 3 | 0 | 33 V |
| 3 | 2 | 39 V |
| 3 | 4 | 47 V |

| B | C | voltage |
|---|---|---------|
| 3 | 6 | 56 V |
| 3 | 8 | 68 V |
| 4 | 0 | 82 V |
| 4 | 2 | 100 V |
| 4 | 4 | 120 V |
| 4 | 6 | 150 V |
| 4 | 8 | 180 V |
| 5 | 0 | 220 V |
| 5 | 2 | 270 V |
| 5 | 4 | 330 V |

Colour-coding for special types VDR not indicated in this table.

STANDARD NTC DISC COLOUR CODING

Colourbands BCD indicate resistance value at 25 °C.