

Linear resistors

lacquered, carbon film

book 3 part 1

| Style | Dimensions mm (Fig. 1) | | | Resistance tolerance | Resistance range | Maximum power dissipation at 70°C W | Preferred value series | Maximum voltage d.c. or rms V |
|-------|------------------------|--------|-----|----------------------|------------------|-------------------------------------|------------------------|-------------------------------|
| | D max. | L max. | d | | | | | |
| CR16 | 1.6 | 4.5 | 0.4 | ±5% | 10Ω to 220kΩ | 0.2 | E12 | 150 |
| | | | | ±10% | 270kΩ to 1MΩ | | E12 | 150 |
| CR25 | 2.5 | 6.8 | 0.6 | ±5% | 1Ω to 1MΩ | 0.33 | E24 | 250 |
| | | | | ±10% | 1.2MΩ to 10MΩ | | E12 | 250 |
| CR37 | 3.7 | 10 | 0.7 | ±5% | 1Ω to 1MΩ | 0.5 | E24 | 350 |
| | | | | ±10% | 1.2MΩ to 10MΩ | | E12 | 350 |

On bandoliers (Fig. 2) in boxes of 1000 pieces or (CR25 & 37 only) on drums of 5000 pieces.
Coated with a tan coloured lacquer and colour coded in accordance with BS1852.

lacquered, metal film

| Style | Dimensions mm (Fig. 1) | | | Resistance tolerance | Resistance range | Maximum power dissipation at 70°C W | Preferred value series | Temp. coefficient ppm per °C | Maximum voltage d.c. or rms V |
|-------|------------------------|--------|-----|----------------------|------------------|-------------------------------------|------------------------|------------------------------|-------------------------------|
| | D max. | L max. | d | | | | | | |
| MR25 | 2.5 | 6.5 | 0.6 | ±1% | 4.99Ω to 48.7Ω | 0.4 | E96 | < 100 | 250 |
| | | | | ±1% | 49.9Ω to 301kΩ | | E96 | < 50 | |
| | | | | ±2% | 5.1Ω to 300kΩ | | E24 | < 100 | |
| MR30 | 3 | 10 | 0.6 | ±1% | 4.99Ω to 48.7Ω | 0.5 | E96 | < 100 | 350 |
| | | | | ±1% | 49.9Ω to 1MΩ | | E96 | < 50 | |
| | | | | ±2% | 5.1Ω to 1MΩ | | E24 | < 100 | |

On bandoliers (Fig. 2) in boxes of 1000 pieces or on drums of 5000 pieces.

Coated with a green coloured lacquer and colour coded in accordance with BS1852.

CECC Approvals.

MR25 & MR30 1% tolerance are approved to CECC 40100-002 and to CECC 40101-008.

MR25 & MR30 2% tolerance are approved to CECC 40101-009.

metal glaze, high ohmic

| Style | Dimensions mm (Fig. 1) | | | Resistance tolerance | Resistance range | Maximum power dissipation at 70°C W | Preferred value series | Maximum voltage rms V |
|-------|------------------------|--------|-----|----------------------|------------------|-------------------------------------|------------------------|-----------------------|
| | D max. | L max. | d | | | | | |
| VR37 | 3.7 | 10 | 0.7 | ±5% | 1MΩ to 33MΩ | 0.5 | E24 | 2500 |
| VR68 | 6.8 | 18 | 0.8 | ±5% | 1MΩ to 68MΩ | 1.0 | E24 | 7000 |

On bandoliers (Fig. 2) in boxes of 1000 pieces.

Coated with a blue coloured lacquer and colour coded in accordance with BS1852, except that 4th (tolerance) band is yellow.

metal film, high power

| Style | Dimensions mm (Fig. 1) | | | Resistance tolerance | Resistance range | Maximum power dissipation at 70°C W | Preferred value series |
|-------|------------------------|--------|-----|----------------------|------------------|-------------------------------------|------------------------|
| | D max. | L max. | d | | | | |
| PR37 | 3.7 | 10 | 0.6 | ±5% | 10Ω to 10kΩ | 1.6 | E12 |
| PR62 | 5.2 | 16.7 | 0.6 | ±5% | 10Ω to 27kΩ | 2.5 | E12 |
| PR68 | 6.8 | 26.0 | 0.8 | ±5% | 10Ω to 27kΩ | 3.5 | E12 |

On bandoliers (Fig. 2) in boxes of 1000 pieces, (except PR68 which is not bandoliered).

Coated with a red-brown coloured high temperature silicone paint.

The resistance value and tolerance are printed on the resistor body.