

Type CB10 Series

Key Features

- Low Cost
- Robust Enclosed Construction
- Spindle Adjust Versions
- Flame Retardant
 Arrow Position
- Indicator
- Top, Bottom and Side Adjust Styles
- Stable in High Humidity
- Edgewheel Operation Style



Low price, versatility and stable environmental characteristics are important benefits of this product. Featuring an innovative carbon resistive element printed on film in a fully enclosed package, this potentiometer style is normally chosen for a wide range of applications in industrial, professional and consumer equipment.

Characteristics - Electrical

| Resistance Range: | 100R to 10M Linear, 1K to 1M Non-Linear |
|--------------------------|---|
| Resistance Values: | 1, 2.2 & 4.7 in each decade |
| Resistance Tolerance: | ± 20% (± 30% above 1 Megohms) |
| End Resistance: | <3% |
| Power Rating @ 40°C: | 0.15 Watts (derating to zero at 70°C) |
| Maximum Voltage: | Lin. 200V DC / Log. 150V DC |
| Rotational Noise (CRV): | <5% of Rn nominal |
| Temperature Coefficient: | ±500 ppm/°C(< 100K ohms) |
| Slider Current: | 50mA |
| Resolution: | Essentially Infinite |
| Electrical Adjustment: | 240° Nominal 1 Turn |

Characteristics - Mechanical

| End Torque: | 50 mNm maximum | |
|------------------------|----------------|--|
| Starting Torque: | 4 to 20 mNm | |
| Mechanical Adjustment: | 295° nominal | |
| Weight: | 0.8 grams | |

Characteristics - Environmental

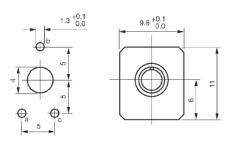
| Temperature Range: | -25°C to +70°C |
|----------------------|---------------------------------------|
| Temperature Storage: | 1000 hours at 100°C |
| Rotational Life: | 500 cycles, minimum |
| | (10000 cycles-extended life versions) |
| Load Life at 40°C: | ΔR <10% after 1000 hours |
| Sealing: | Dust proof IP level 5 |
| Climate Category: | 25/70/21 |

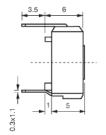


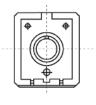
Carbon Economy Trimmers

Type CB10 Series

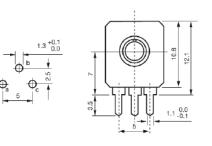
Dimensions CB10V

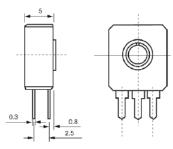






CB10H

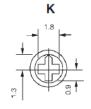




Adjustment Styles







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Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are standard equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

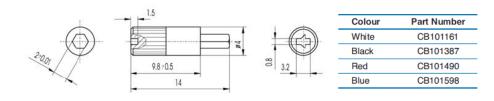
For email, phone or live chat, go to: te.com/help

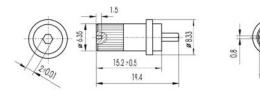


Carbon Economy Trimmers

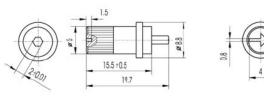
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Plug-In Spindles / Edgewheels





| Colour | Part Numb |
|--------|-----------|
| White | CB101446 |
| Black | CB101489 |
| Red | CB101502 |
| | |



| Colour | Part Number |
|--------|-------------|
| White | CB101544 |
| Black | CB101589 |
| Red | CB101776 |
| | |

How to Order

| CB10 | L | H | 102 | M | ī |
|-------------------------------|--|--|--|--|-----------------------------------|
| Common Part | Adjustment Style | Orientation | Resistance Value | Tolerance | Features |
| CB10 - 10mm Carbon Trimmer | L - Arrow Head M - Hex Centre K - Cross Slot | H - Vertical to PCB V - Horizontal to PCB | The first two digits are signifigant figures of resistance value and the third denotes the number of zeros following. e.g. 100R: 101 1K0: 102 | K - 10% (Special) M - 20% N - 30% (<1 Meg) | – - Standard E - Extended Life |
| | | | 10K: 103 100K: 104 | | |

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