

## 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**

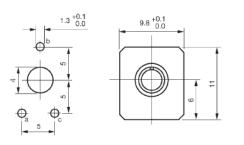
Temperature Range:	-25°C to +70°C
Temperature Storage:	1000 hours at 100°C
Rotational Life:	500 cycles, minimum
	(10000 cycles-extended life versions)
Load Life at 40°C:	ΔR <10% after 1000 hours
Sealing:	Dust proof IP level 5
Climate Category:	25/70/21

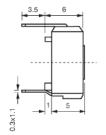


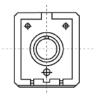
**Carbon Economy Trimmers** 

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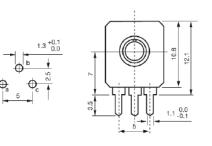
#### Dimensions CB10V

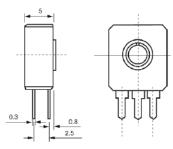






## CB10H

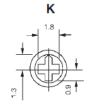




## **Adjustment Styles**







1773190 CIS BI 06/2014

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.

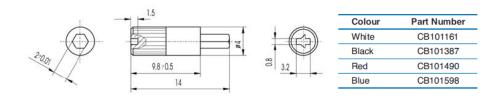
For email, phone or live chat, go to: te.com/help

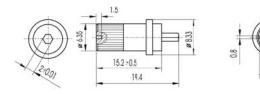


**Carbon Economy Trimmers** 

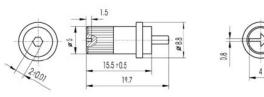
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#### **Plug-In Spindles / Edgewheels**





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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