

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

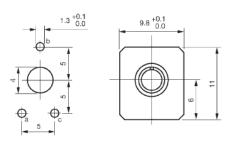
Temperature Range:	-25°C to +70°C
Temperature Storage:	1000 hours at 100°C
Rotational Life:	500 cycles, minimum
	(10000 cycles-extended life versions)
Load Life at 40°C:	ΔR <10% after 1000 hours
Sealing:	Dust proof IP level 5
Climate Category:	25/70/21

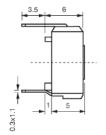


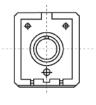
Carbon Economy Trimmers

Type CB10 Series

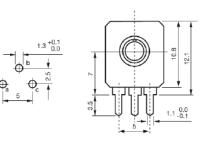
Dimensions CB10V

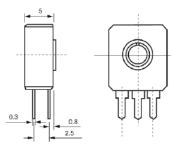






CB10H

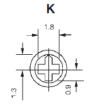




Adjustment Styles







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.

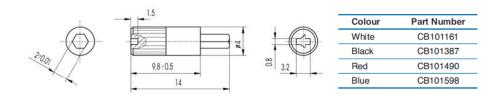
For email, phone or live chat, go to: te.com/help

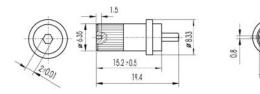


Carbon Economy Trimmers

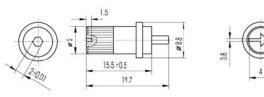
Type CB10 Series

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		

TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.

Other logos, product and Company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this datasheet, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. Te expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or filmess for a particular purpose. The dimensions in this datasheet are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity: CB10MH102ME