

## 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
- Edgewise Operation Style



Low price, versatility and stable environmental characteristics are important benefits of this product. Featuring an innovative carbon resistive element mounted 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 (dRV):  | < 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<br>(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   |

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