

Type CT15 Series

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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.

Key Features

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

Characteristics - Electrical

| | |
|---------------------------------|--|
| Resistance Range: | 100R to 4M7 Linear, 1K to 2M2 Non-Linear |
| Resistance Values: | 1, 2.2 & 4.7 in each decade |
| Resistance Tolerance: | ± 20% (± 30% above 1 Megohms) |
| Power Rating @ 40°C: | 0.25 Watt Linear, 0.12 Watt Non Linear |
| Maximum Voltage: | 300V DC Linear, 200V DC Non Linear |
| Rotational Noise (CRV): | <5% of Rn nominal |
| Temperature Coefficient: | <100 K ±500ppm; ≥100 K ±1000ppm |
| Resolution: | Essentially Infinite |
| Electrical Adjustment: | 250° ±20° |

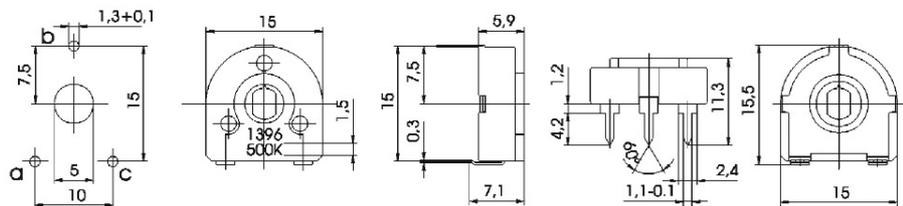
Characteristics - Mechanical

| | |
|-------------------------------|-----------------|
| End Torque: | 100 mNm minimum |
| Starting Torque: | 4 to 25 mNm |
| Mechanical Adjustment: | 265° ±5° |
| Weight: | 1.3 grams |

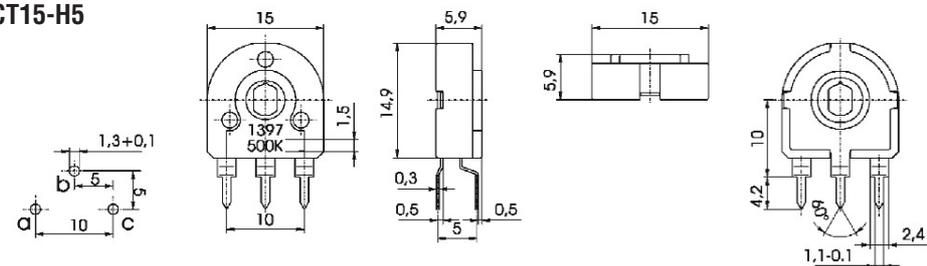
Characteristics - Environmental

| | |
|---------------------------|-----------------------------|
| Temperature Range: | -25°C to +70°C |
| Rotational Life: | 10,000 cycles |
| Load Life at 40°C: | ΔR <10% after 1000 hours |
| Sealing: | Dust and Splash Proof |
| Climate Category: | IEC 293-1 Category 25/70/21 |

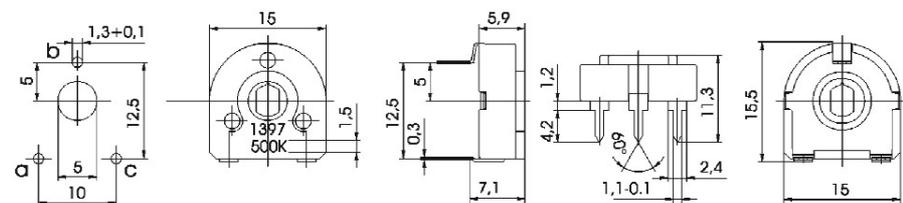
Dimensions CT15-V15



CT15-H5

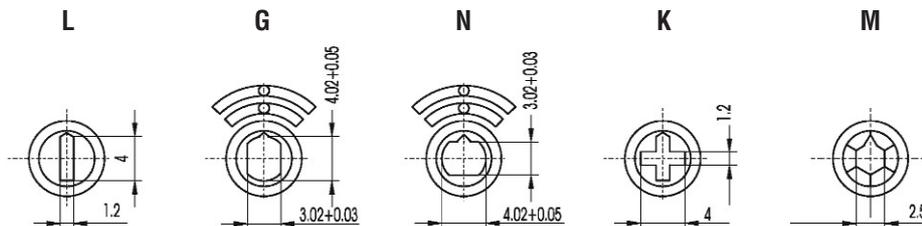


CT15-V12

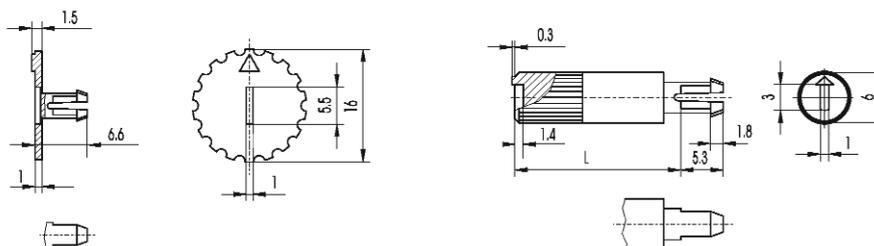


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Adjustment Styles



Plug-In Spindles / Edgewheels



| Colour | Part Number | Colour | 13.1mm | 17.5mm | 19.5mm | 24.3mm | 26.3mm | 28.5mm | 34.0mm |
|--------|-------------|--------------|----------|----------|----------|----------|----------|----------|----------|
| White | CB155147 | White | CB155137 | CB155577 | CB155242 | CB155600 | CB155499 | CB155578 | CB155450 |
| Black | CB155388 | Black | CB155378 | CB155241 | CB155382 | CB155243 | CB155244 | CB155245 | CB155246 |
| Red | CB155391 | Red | CB155379 | CB155452 | CB155385 | CB155492 | CB155475 | CB155770 | CB155491 |
| Blue | CB155390 | | | | | | | | |
| Green | CB155392 | | | | | | | | |
| Yellow | CB155389 | | | | | | | | |

How to Order

| CT15 | L | H5 | 102 | M |
|----------------------------|--|--|--|--|
| Common Part | Adjustment Style | Orientation / Pin Pitch | Resistance Value | Tolerance |
| CT15 - 15mm Carbon Trimmer | K - Cross Slot L - Arrow Head M - Hex Centre N - Plug In G - Plug In 90° | H5 - 5.0mm V12 - 12.5mm V15 - 15.0mm | The first two digits are significant figures of resistance value. The third digit denotes the number of zeros following. e.g. 100R: 101 1K: 102 10K: 103 100K: 104 | K - 10% (Special) M - 20% N - 30% (>1 Meg) |