

# Kingtronics®

## RKT-3296

### Trimming Potentiometers

#### FEATURES

Multiturn/ Cermet/ Industrial/ Sealed  
5 Terminal Styles

#### Electrical Characteristics

|                              |                                       |
|------------------------------|---------------------------------------|
| Standard Resistance Range    | 10Ω - 5MΩ                             |
| Resistance Tolerance         | ±10% ; ±20% for 10 ohm                |
| Absolute Minimum Resistance  | ≤10Ω (100Ω≤R≤1KΩ)<br>≤1%R (R>1KΩ)     |
| Contact Resistance Variation | CRV≤3% or 5Ω<br>(whichever is larger) |
| Insulation Resistance        | R1≥1GΩ(100Vac)                        |
| Withstand Voltage            | 220VDC                                |
| Effective Travel             | 28±2 turns nom                        |

#### Environmental Characteristics

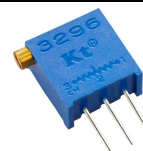
|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| Power Rating<br>(315volts max) | 0.5W@70°C, 0W@125°C                                                  |
| Temperature Range              | -55°C ~ +125°C                                                       |
| Temperature Coefficient        | ±200ppm/°C<br>(±100ppm/°C on request)                                |
| Temperature Variation          | -55°C, 30min, +125°C<br>30min, 5 cycles<br>ΔR≤5%R, Δ(Uab/Uac)≤5%     |
| Vibration                      | 10 – 500Hz, 0.75mm, 6h<br>ΔR≤5%R, Δ(Uab/Uac)≤7.5%                    |
| Collision                      | 390m/s², 4000cycles, ΔR≤5%R                                          |
| Electrical Endurance at 70°C   | 0.5W@70°C<br>1000h, ΔR≤10%R<br>CRV≤3% or 5Ω<br>(whichever is larger) |
| Rotational Life                | 200 cycles<br>ΔTR≤±10%R, CRV≤3% or 5n                                |

#### Physical Characteristics

|                    |                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------|
| Starting Torque    | ≤35mN·m                                                                                       |
| Marking            | Resistance Tolerance<br>(When no identification,<br>it is of ± 10%)<br>Resistance Code, Model |
| Standard Packaging | 50pcs, per tube                                                                               |

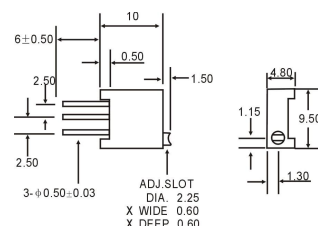
Note: Specifications are subject to change without notice.

#### PICTURE

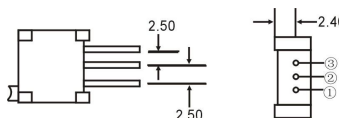


#### Common Dimensions

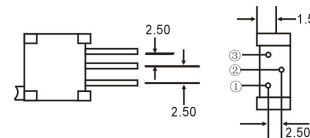
##### RKT-3296



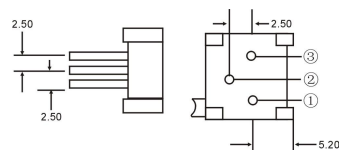
##### RKT-3296W



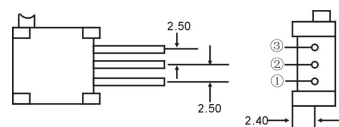
##### RKT-3296Y



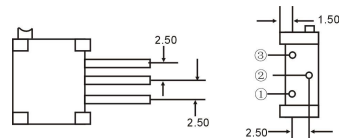
##### RKT-3296P



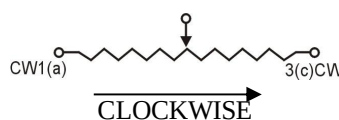
##### RKT-3296X



##### RKT-3296Z



#### WIPER 2(d)



Tolerance is ±0.25 if no identification

#### How to Order

RKT-3296 --- W --- 103 --- R  
Model \_\_\_\_\_  
Style \_\_\_\_\_  
Resistance Code \_\_\_\_\_  
RoHS \_\_\_\_\_

#### Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 10                | 100             |
| 20                | 200             |
| 50                | 500             |
| 100               | 101             |
| 150               | 151             |
| 200               | 201             |
| 250               | 251             |
| 300               | 301             |
| 470               | 471             |
| 500               | 501             |
| 680               | 681             |
| 1,000             | 102             |
| 1,500             | 152             |
| 2,000             | 202             |
| 2,200             | 222             |
| 2,500             | 252             |
| 3,000             | 302             |
| 4,700             | 472             |
| 5,000             | 502             |
| 6,800             | 682             |
| 10,000            | 103             |
| 15,000            | 153             |
| 20,000            | 203             |
| 22,000            | 223             |
| 25,000            | 253             |
| 30,000            | 303             |
| 33,000            | 333             |
| 47,000            | 473             |
| 50,000            | 503             |
| 68,000            | 683             |
| 100,000           | 104             |
| 150,000           | 154             |
| 200,000           | 204             |
| 220,000           | 224             |
| 250,000           | 254             |
| 300,000           | 304             |
| 330,000           | 334             |
| 470,000           | 474             |
| 500,000           | 504             |
| 680,000           | 684             |
| 1,000,000         | 105             |
| 2,000,000         | 205             |
| 2,200,000         | 225             |
| 5,000,000         | 505             |

Special resistances available.

**Kingtronics® International Company**