



# RKT-3296

## SQUARE TRIMMING POTENTIOMETER

### FEATURES

- Multiturn/ Cermet/ Industrial/ Sealed
- 5 Terminal Styles

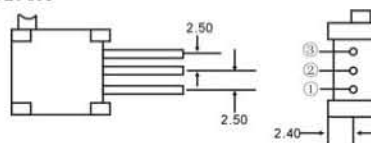
| Electrical Characteristics   |                                       |
|------------------------------|---------------------------------------|
| Standard Resistance Range    | 10Ω - 5MΩ                             |
| Resistance Tolerance         | ±10% ; ±20% for 10 ohm                |
| Absolute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

| Environmental Characteristics |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Power Rating (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/s <sup>2</sup> , 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                                |

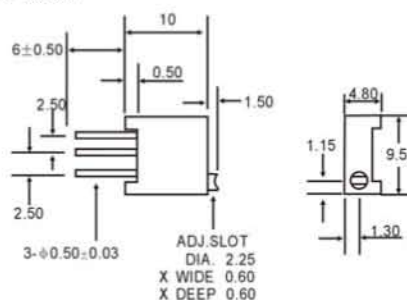
| Physical Characteristics |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Starting Torque          | ≤35mN·m      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

### Common Dimensions

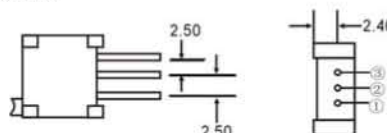
RKT-3296X



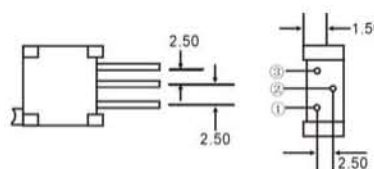
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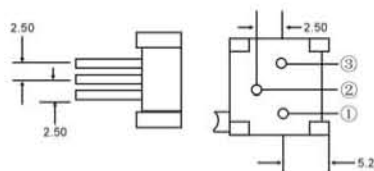
RKT-3296W



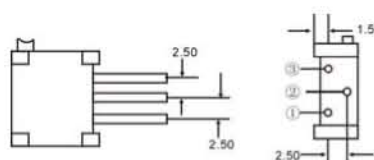
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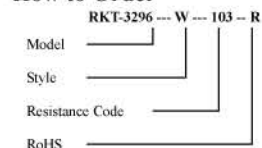
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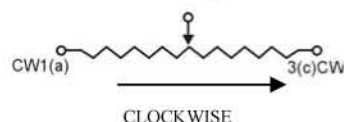
RKT-3296Z



### How to Order



WIPER 2(d)



Tolerance is ±0.25 if no identification

### 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             |