

# TSR-3269



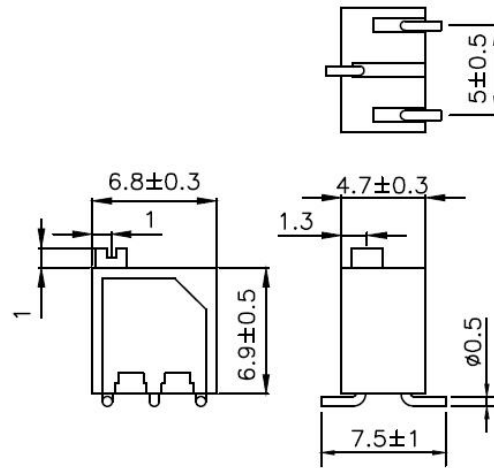
| Electrical Characteristics   |  |
|------------------------------|--|
| Standard Resistance Range    | 10Ω - 5MΩ                                  |
| Resistance Tolerance         | ±10% (100Ω ~ 1M) ;<br>±20% (R<100Ω, >1M)   |
| Terminal Resistance          | ≤±1%R or 2Ω<br>(whichever is larger)       |
| Contact Resistance Variation | (CRV)≤ ±3%R or 3Ω<br>(whichever is larger) |
| Insulation Resistance        | ≥1GΩ(100V AC)                              |
| Withstand Voltage            | 600VAC                                     |
| Effective Travel             | 12 ±2 turns                                |

| Environmental Characteristics                              |                                     |
|--|-------------------------------------|
| Power Rating   | 0.25W(70°C) 0W(125°C)               |
| Temperature Range  | -55°C ~ +125°C                      |
| Temperature Coefficient                                    | ±250ppm/°C                          |
| Temperature Variation (-55°C/30min,+125°C/30min, 5 cycles) | ΔR≤2%R.ΔUab/Uac≤2%R                 |
| Vibration (10-500Hz, 0.75mm, 6h)                           | ΔR≤±1%R<br>ΔUab/Uac≤±2%R            |
| Collision (390m/s <sup>2</sup> ,4000cycles)                | ΔR≤±1%R                             |
| Climate Category (IEC68-2-2)                               | ΔR≤±(5%R+0.1 Ω)                     |
| Load Life (0.25W, 70°C)                                    | ΔR≤±(5%R+0.1 Ω),<br>CRV≤±3%R or 5 Ω |
| Rotational Life (200 cycles)                               | ΔR≤±(10%R+0.5Ω),<br>CRV≤±3% or 5Ω   |
| Steady Damp Heat (IEC68-2-3, Ca, 96h)                      | ΔR≤±(5%R+0.1 Ω)                     |

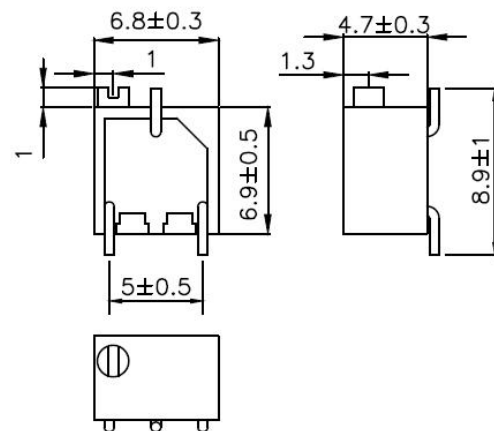
| Physical Characteristics |  |
|--------------------------|--|
| Starting Torque          | ≤35mN·m  |
| Standard Packaging       | TSR-3269W: 50pcs, per tube<br>TSR-3269P: 50pcs, per tube |

Common Dimensions

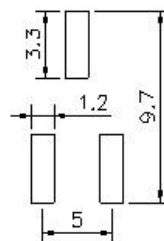
TSR-3269W



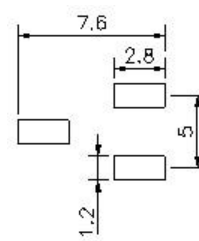
TSR-3269P



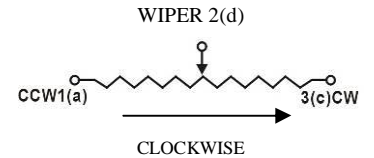
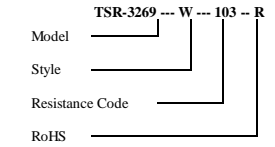
RECOMMENDED PCB LAYOUT- "P"



RECOMMENDED PCB LAYOUT- "W & X"



How to Order



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             |

Special resistances available.

Note: Specification are subject to change without notice. For more detail and update, please visit our website.