

TSR-03

FEATURES

- Rated Power: 1W
- Single-turn
- Precision Adjustable
- Reliable Performance
- Small Size
- High Precision



Electrical Characteristics

Standard Resistance Range	50Ω-2MΩ
Resistance Tolerance	±10%
End Resistance	≤5% R or 10Ω
Contact Resistance Variation	≤5%R or 5Ω
Insulation Resistance	600 Vdc.
Withstanding Voltage	Ri ≥1GΩ (100Vac)
Adjustment Angle	>70% Of the Total Mechanical Travel

Environmental Characteristics

Power Rating	1W 70°C, 0W 125°C
Operating Temp. Range	-25°C~+125°C
Temperature Coefficient	±250ppm/°C
Temperature Variation	-55°C, 30min, +125°C, 30min 3 Cycles $\Delta R \leq 5\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 10\%$
Vibration	100m/S ² , 16ms, 1000cycles $\Delta R \leq 2\%R$ $\Delta(U_{ab}/U_{ac}) \leq 10\%$
70°C Electrical Endurance	1W, 1000h $\Delta R \leq 10\%R$ $\Delta(U_{ab}/U_{ac}) \leq 10\%$
Rotational Life	200 cycles, $\Delta R \leq 10\%R$
Steady damp-heat	40±2°C, 87-92%R.H 96h $\Delta R \leq 5\%R$, $R_1 \geq 1M\Omega$

Physical Characteristics

Mechanical Angle	280°±10°
Starting Torque	≤35 mN.m
Standard Packaging	10 pieces/tube

How to Order

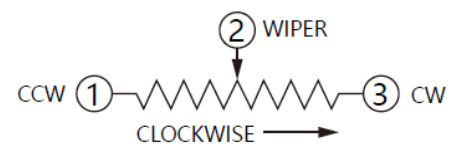
TSR - 03 - 100 - R

Model _____

Style _____

Resistance Code _____

RoHS _____

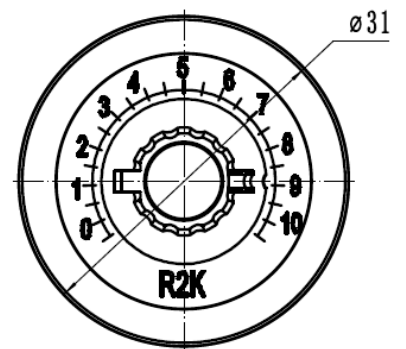
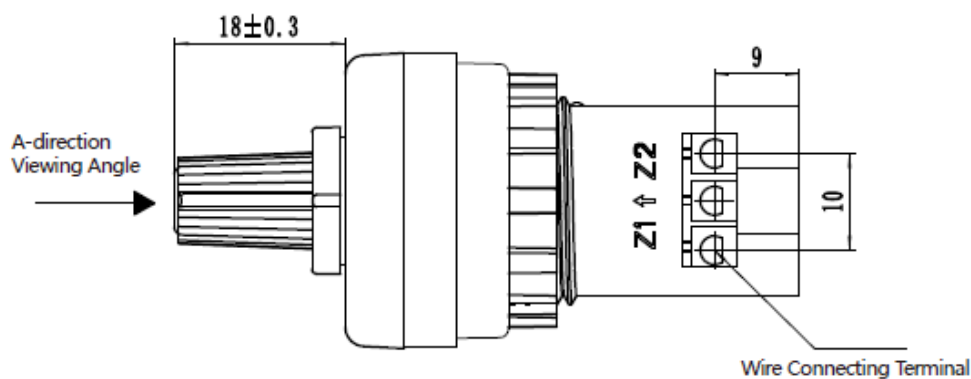
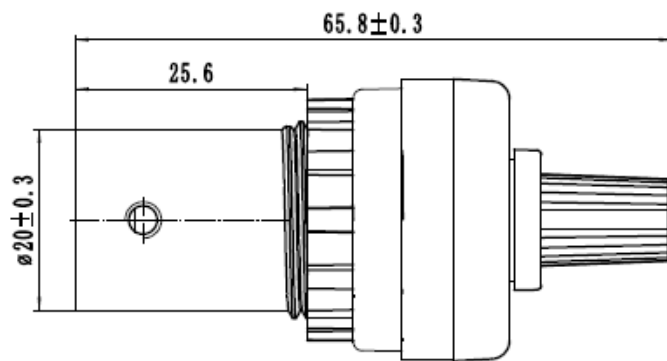


Resistance Table

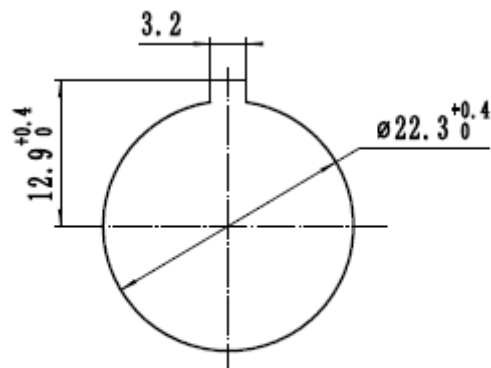
Resistance (Ohms)	Resistance Code
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205

TSR-03

Common Dimensions:mm



A-direction Viewing Angle



Panel Mounting Hole Dimensions

Tolerance is ± 0.3 if no identification

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