

TSR-05

FEATURES

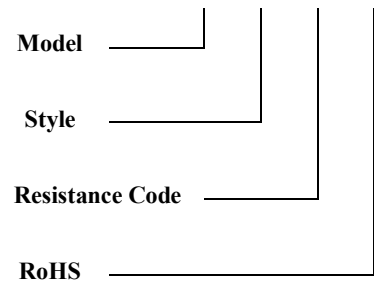
- Rated Power: 1W
- 5 Turns
- Precision Adjustable
- Reliable Performance
- Small Size
- High Precision



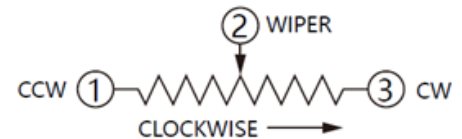
Electrical Characteristics	
Standard Resistance Range	100Ω-47KΩ
Resistance Tolerance	±5%
Linearity	±0.5%
Effective Electrical Stroke	≥1800°-10°
Terminal resistance	≤0.2%R or 5Ω
Rotating Noise	≤3%R or 3Ω
Insulation Resistance	RI≥1GΩ
Withstanding Voltage	101.3kPa 710V, 8.5kPa 470V

How to Order

TSR - 05 - 103 - R



Environmental Characteristics	
Power Rating (300 volts max.)	1W@+70°C, 0W@+125°C
Operating Temp. Range	-55°C~+125°C
Temperature Coefficient	±100ppm/°C
Temperature Variation	ΔR≤2%R, Δ(Uab/Uac)≤±1%
Collision	390m/s ² , 4000cycles, R≤±1%R
Vibration	10-500Hz, 0.75mm, or 98m/s ² , 6h ΔR≤±1%R. Δ(Uab/Uac)≤±2%
Climate Sequence	ΔR≤±3%R, RI≥100MΩ
70°C Electrical Endurance	1W, 1000h, ΔR≤±3%R
Rotational Life	10000(cycles), ΔR≤±3%R
Steady State Heat	ΔR≤±3%R, RI≥100MΩ



Physical Characteristics	
Mechanical Angle	1800°±10°
Starting Torque	≤36 mN.m
Stop Strength	≤300 mN.m
Standard Packaging	20 Pieces/Inner Box

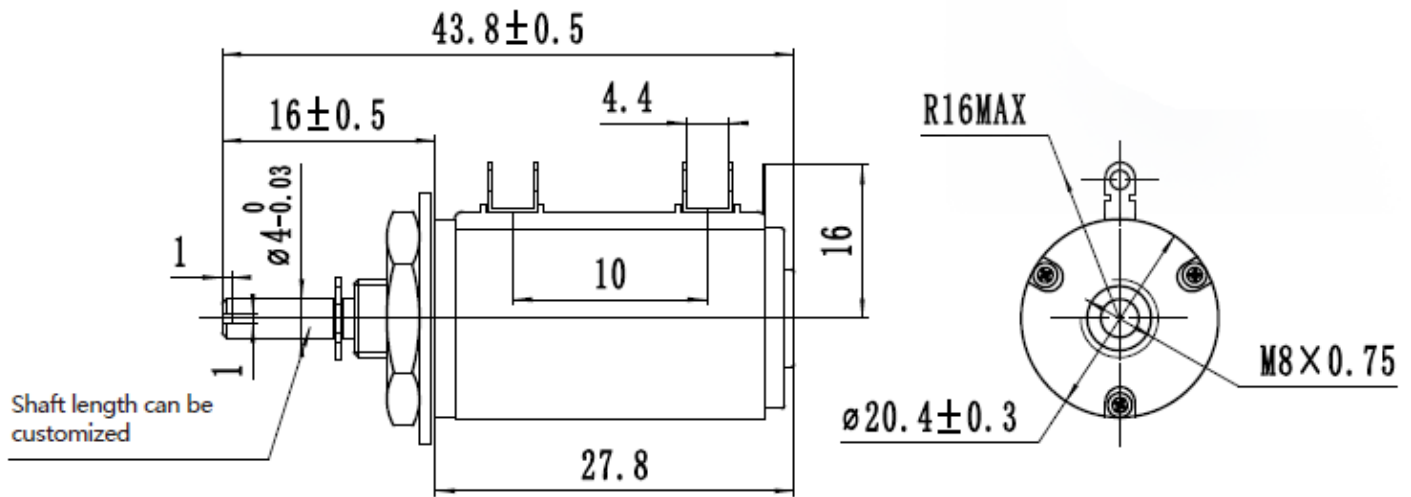
Resistance Table

Resistance(Ohms)	Resistance Code
100	101
220	221
470	471
1,000	102
2,200	222
4,700	472
10,000	103
22,000	223
47,000	473

TSR-05

Product Dimensions:mm

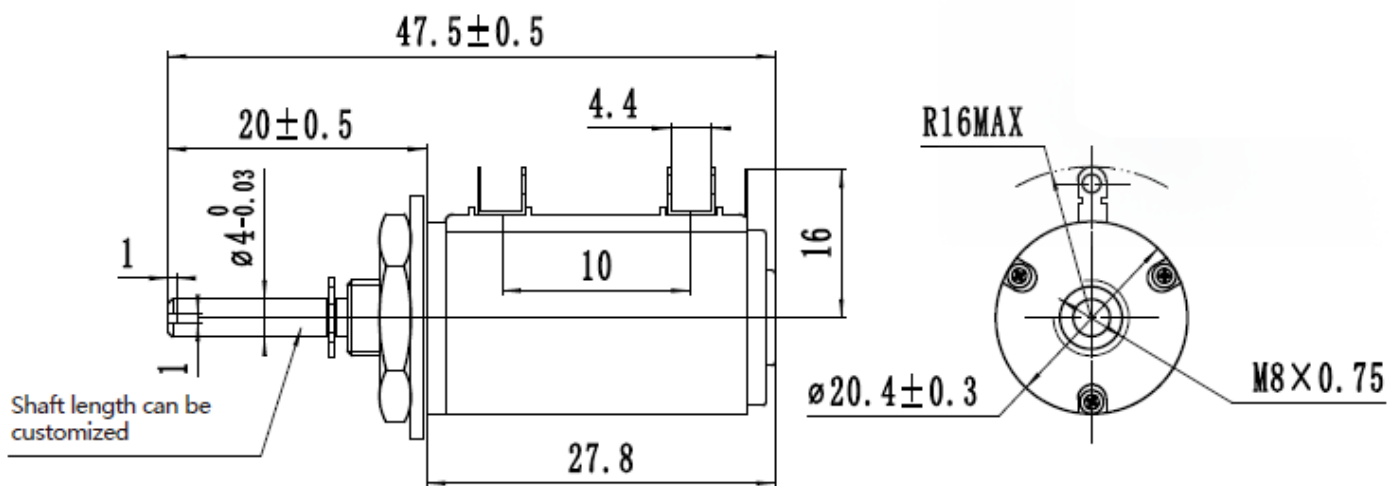
TSR-05 16mm



DIMENSIONS: MM

TOLERANCES: ±0.3 MM EXCEPT WHERE NOTED

TSR-05 20mm



DIMENSIONS: MM

TOLERANCES: ±0.3 MM EXCEPT WHERE NOTED

Support special customization (5 turns/3 turns, semicircular shaft/flat shaft, long shaft/short shaft and etc)

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