

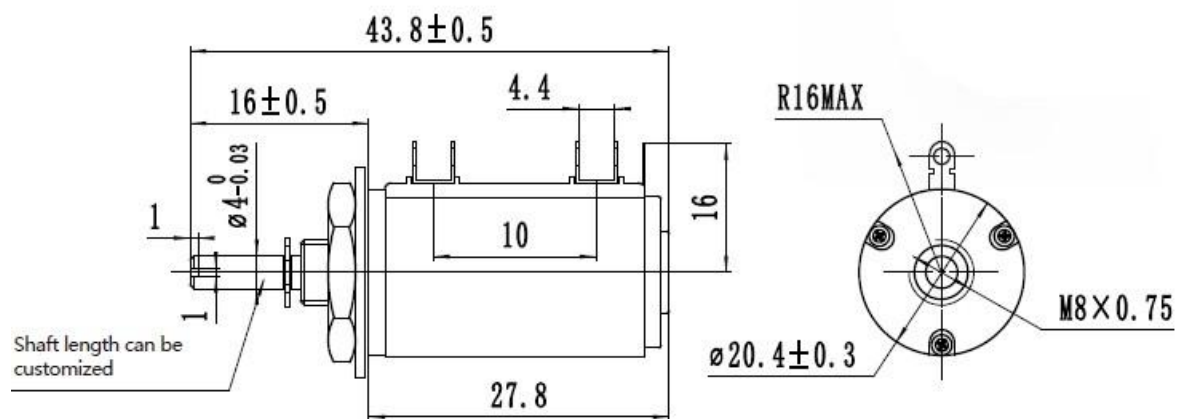
FEATURES

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

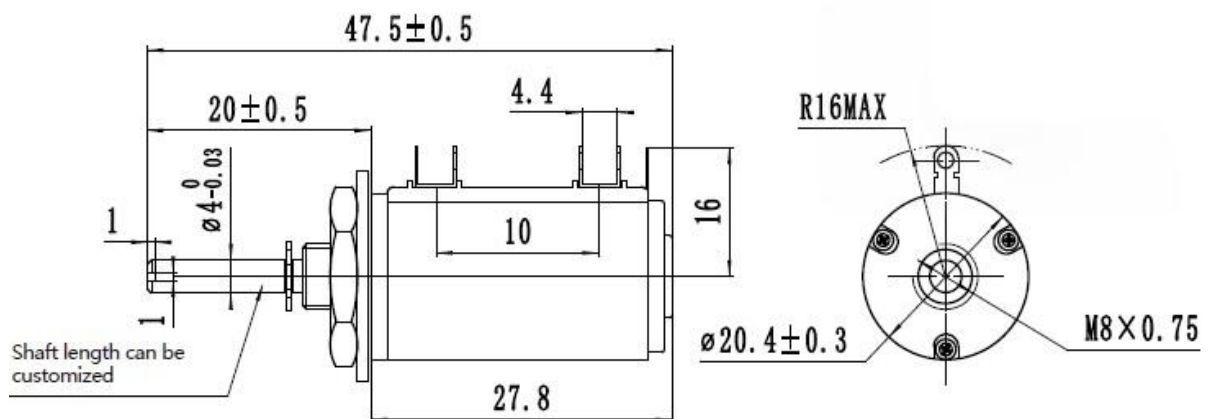


DIMENSION: mm

WTP-C-1W 16mm



WTP-C-1W 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.)



| 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 |

| 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 , 6hΔR≤±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 |

Note: Please visit our website to get more update data, those data & specification are subject to change without notice.



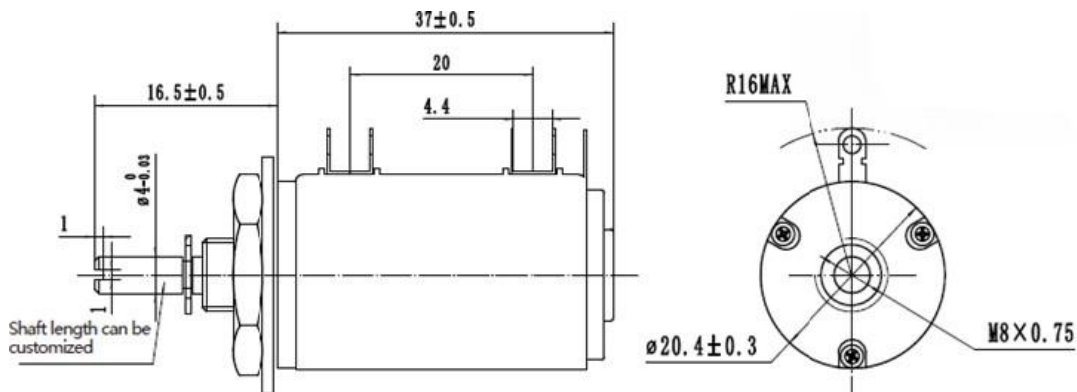
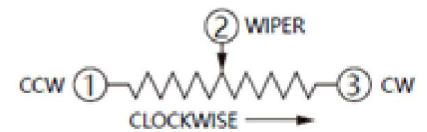
FEATURES

- Rated Power: 2W
- 10 Turns
- Precision Adjustable
- Reliable Performance
- Small Size
- High Precision

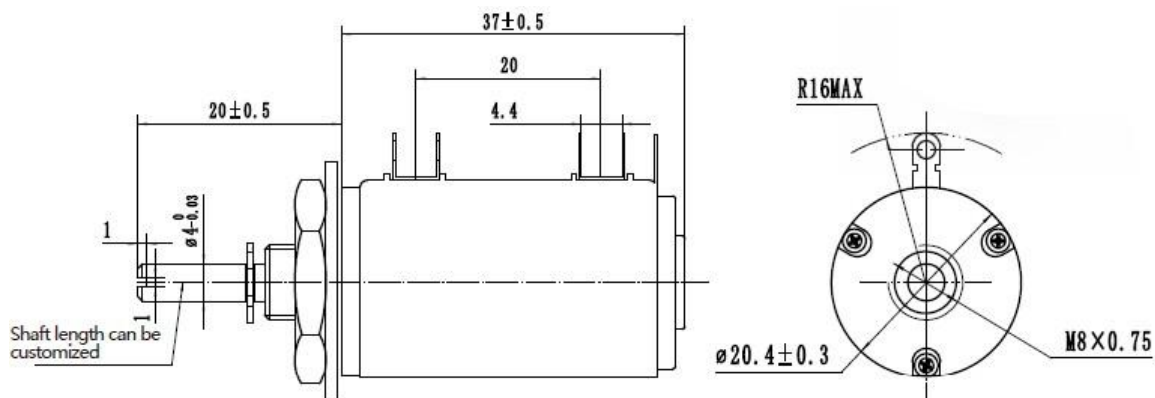


DIMENSION: mm

WTP-C-2W 16mm



WTP-C-2W 20mm



TOLERANCES: ±0.3 MM EXCEPT WHERE NOTED

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



Electrical Characteristics

| | |
|-----------------------------|----------------------------|
| Standard Resistance Range | 100Ω-100KΩ |
| Resistance Tolerance | ±5% |
| Linearity | ±0.5% |
| Effective Electrical Stroke | ≥3600°-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 |

Environmental Characteristics

| | |
|------------------------------|--|
| Power Rating(300 volts max.) | 2W@+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 , 6hΔR≤± 1%R. Δ(Uab/Uac)≤±2% |
| Climate Sequence | ΔR≤±3%R, RI≥100MΩ |
| 70°C Electrical Endurance | 2W, 1000h, ΔR≤±3%R |
| Rotational Life | 10000(cycles), ΔR≤±3%R |
| Steady State Heat | ΔR≤±3%R, RI≥100MΩ |

Note: Please visit our website to get more update data, those data & specification are subject to change without notice.



PN STRUCTURE

WTP-C-1W-102-R

| <u>WTP</u> | <u>C-1W</u> | <u>102</u> | <u>R</u> |
|---------------|-------------|-------------------|-------------|
| <u>Series</u> | | <u>Resistance</u> | <u>RoHS</u> |
| <u>1</u> | | <u>2</u> | <u>3</u> |

2. Resistance (Special Resistances Available)

| 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 |

