

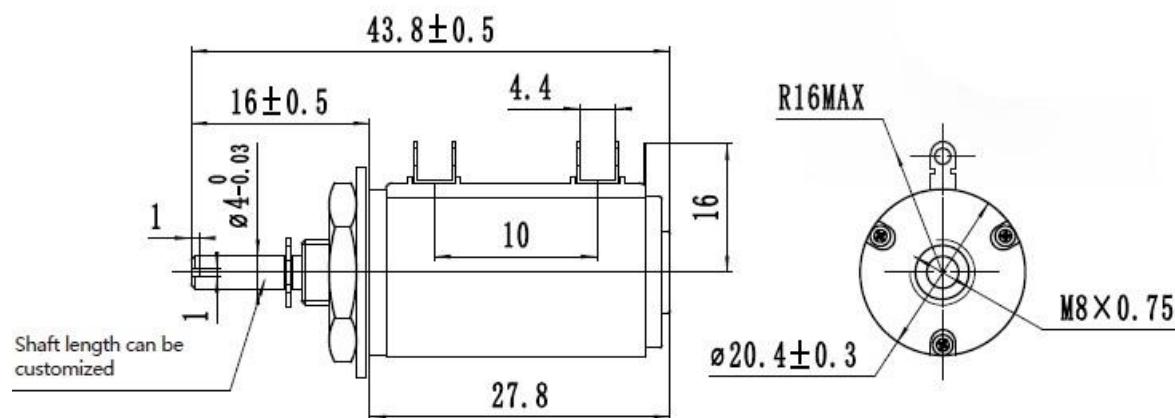
FEATURES

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

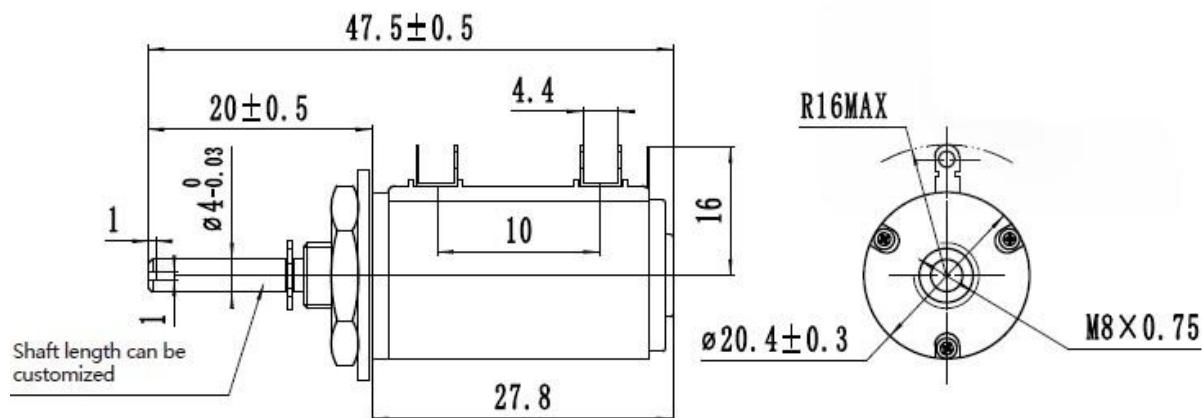


DIMENSION: mm

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.)



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All details in this data sheet are subject to change without notice.
For more details and updates, please visit our website.

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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.



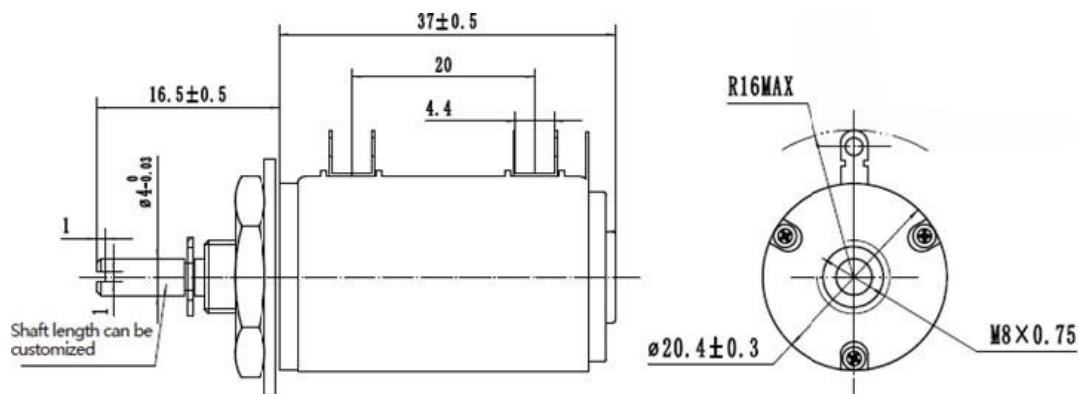
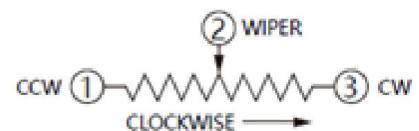
FEATURES

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

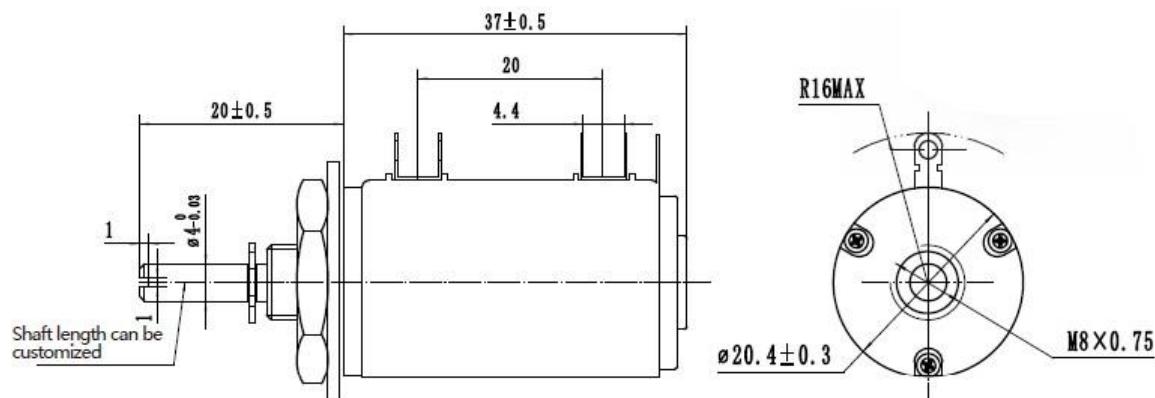


DIMENSION: mm

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

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PN STRUCTURE

WTP-C-1W-102-R

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

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

