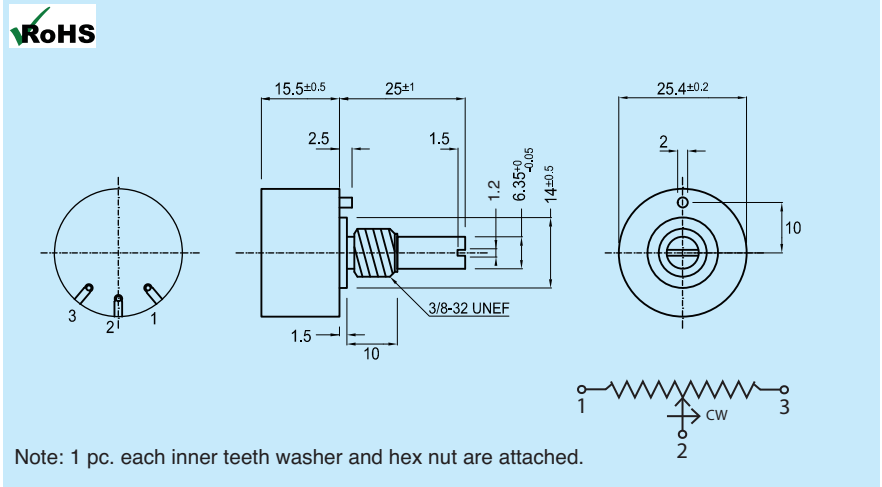


R25W / R25WC Series

Single Turn Potentiometer (Wirewound)



• **Model Nos.**

- R25W (with stop)
- R25WC (without stop, continuous)

• **General Specifications (Note 1)**

Resistance Values (Ω): 50, 100, 200, 500, 1K, 2K
5K, 10K, 20K

Resistance Tolerance: Standard Class $\pm 10\%$
Precision Class $\pm 5\%$

Independent Linearity Tolerance: Standard Class $\pm 1\%$
Precision Class $\pm 0.75\%$

Power Rating: 1.0W @ 70°C (0W @ 105°C)

Rotational Life: 100,000 shaft revolutions (no load)

Protection Grade: IP40 (IP65 optional)

Operating Temperature: -40° to +105°C (Note 1)

Noise: Below 100 ohms E.N.R

Electrical Travel: 270° $\pm 5^\circ$

Mechanical Travel: R25W 285° $\pm 5^\circ$
R25WC 360° (w/o stop, continuous)

Insulation Resistance: Over 1,000M ohms @ 500 VDC

Dielectric Strength: 1 minute at 1,000V.A.C.

Starting Torque: Below 15mN·m (150gf·cm)

Temperature

Coefficient of Wire: ± 50 p.p.m./°C ($\leq 1K$)
 ± 150 p.p.m./°C ($> 1K$)

Vibration: 15 G / 10Hz to 2,000Hz

Shock: 30 G / 10ms

Mass: Approx. 20g

• **Resolution Chart**

Resist. Value (Ω)	50	100	200	500	1k	2k	5k	10k	20k
Resolution (%)	0.7	0.56	0.52	0.39	0.26	0.22	0.17	0.15	0.11

• **Special Specifications Available**

Special shaft machining, Special electrical angle, Special resistance values

Note 1: Customers should test and verify device performance in any given application. General specifications are measured at temperatures of +15°C ~ +35°C. Specifications subject to change without notice.