

Type RW Series



This high power wire wound potentiometer is a recent addition to the Tyco range. The RW series offers a range of shaft styles, 1 and 3 Watt power ratings, low terminal resistance and excellent linearity. For a rugged high power control potentiometer at a very attractive price - the RW Series will satisfy your requirements.

Key Features

- Wirewound Elements
- Proven Reliability
- **Excellent Linearity**
- 3W Rating at 40°C in Wirewound
- Robust Construction
- Range of Shaft Styles
- Custom Designs Possible

Spindle Operated Potentiometers



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Characteristics - Electrical

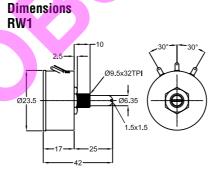
	RW1	RW3
Element Technology:	Wirewound	
Resistance Range:	10R to 100K (Linear)	10R to 25K (Linear)
Resistance Values:	1, 2 & 5 in each decade	
Selection Tolerance:	10% Standard, ± 5% By Request	
Linearity:	2% maximum	
Rated Dissipation at 40°C:	1W	3W
Maximum Working Voltage:	250V DC	500 V DC
Electrical Rotation:	285° nominal	275° nominal
Terminal Resistance:	0.2R or 0.02% whichever is greater	
Noise (E.N.R.):	100R maximum	
Insulation Resistance:	> 5 Gig Ohms	
Voltage Proof:	630V AC peak	

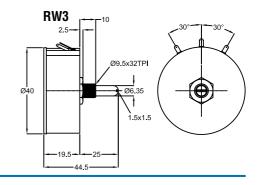
Characteristics -Mechanical

Starting Torque:	<70 mNm	< 85 mNm
Mechanical Rotation:	295° nominal	285° nominal
End Stop Torque:	500 mNm minimum	800 mNm minimum
Standard Shaft Lengths:	25mm - Others	By Special Request

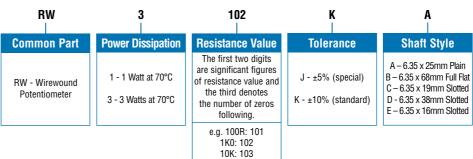
Characteristics -Environmental

Operating Temperature:	-40°C to +70°C	
Limits of Resistance Change:	3% (after 1000 hrs)	
Temperature Coefficient:	100ppm/°C	
Bump Severity:	390 m/s2, 4000 bumps	
Vibration Severity:	10 - 500 Hz, 98m/s²	
Climatic Category:	40/070/21	
Mechanical Endurance:	2000 operations	
Sealing:	Fully enclosed	





How to Order



100K: 104