

Spindle Operated Potentiometers



Type RW Series

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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

Characteristics -Electrical

Element Technology:					
iomone roomorogy.	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				
_inearity:	2% maximum				
Rated Dissipation at 40°C:	1W	3W			
Maximum Working Voltage:	250V DC	500 V DC			
Electrical Rotation:	285° nominal	275° nominal			
ferminal Resistance:	0.2R or 0.02% whichever is greater				
Noise (E.N.R.):	100R maximum				
nsulation Resistance:	> 5 Gig Ohms				
/oltage Proof:	630V AC peak				

Characteristics -

Mechanical

Characteristics -**Environmental**

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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/s ²		
Climatic Category:	40/070/21		
Mechanical Endurance:	2000 operations		
Sealing:	Fully enclosed		







How to Order

RW	3	102	K	A
Common Part	Power Dissipation	Resistance Value	Tolerance	Shaft Style
RW - Wirewound Potentiometer	1 - 1 Watt at 70°C 3 - 3 Watts at 70°C	The first two digits are significant figures of resistance value and the third denotes the number of zeros following.	J - ±5% (special) K - ±10% (standard)	A – 6.35 x 25mm Plain B – 6.35 x 68mm Full Flat C – 6.35 x 19mm Slotted D - 6.35 x 38mm Slotted E – 6.35 x 16mm Slotted
		e.g. 100R: 101 1K0: 102 10K: 103 100K: 104		

Dimensions are in millimetres unless otherwise specified.

Specifications subject to change.

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