

1 5/16" (33.3 mm) Low Cost Industrial Single Turn Wirewound, Bushing Mount Type



FEATURES

- Suitable model for all industrial applications
- Center tap available
- Continuous rotation and mechanical stops both standard
- Large electrical angle: $352^\circ \pm 2^\circ$



RoHS
COMPLIANT

ELECTRICAL SPECIFICATIONS		
PARAMETER	MIL-PRF-12934 TEST PROCEDURES APPLY	
	STANDARD	SPECIAL
Total Resistance Tolerance: 50 Ω and Above Below 50 Ω	5 Ω to 20 k Ω $\pm 3\%$ $\pm 5\%$	to 35 k Ω $\pm 1\%$ $\pm 3\%$
Linearity (Independent) Total Resistance 5 Ω to 20 Ω 20 Ω to 200 Ω 200 Ω and Above	STANDARD $\pm 1.0\%$ $\pm 1.0\%$ $\pm 0.5\%$	BEST PRACTICAL $\pm 0.75\%$ $\pm 0.50\%$ $\pm 0.25\%$
Noise	100 Ω ENR	
Power Rating	40 $^\circ\text{C}$ ambient 2.75 W derated to zero at 125 $^\circ\text{C}$	
Electrical Angle Continuous Rotation Stops	352 $^\circ \pm 2^\circ$ 340 $^\circ \pm 5^\circ$	
Insulation Resistance	1000 M Ω minimum at 500 V _{DC}	
Dielectric Strength	1000 V _{RMS} , 60 Hz	
Absolute Minimum Resistance	1.0 % of total resistance or 0.5 Ω whichever is greater	
Minimum Voltage	0.5 % maximum	
Temperature Coefficient of Resistance	Refer to standard resistance element data	

MATERIAL SPECIFICATIONS	
Housing	Molded glass filled thermoplastic
Rear Lid	Glass filled thermoset plastic
Shaft	Stainless steel, non-magnetic
Terminals	Brass, plated for solderability, Non-passivated
Mount Hardware Lockwasher Internal Tooth: Panel Nut:	Steel, nickel plated Brass, nickel plated

ENVIRONMENTAL SPECIFICATIONS	
Vibration	15 Gs thru 2000 Hz
Shock	50 g
Salt Spray	48 h
Rotational Life Shaft Revolutions	500 000
Operating Temperature Range	- 55 $^\circ\text{C}$ to + 125 $^\circ\text{C}$

ORDERING INFORMATION/DESCRIPTION				
132	0	0	20K	B010
MODEL	MECHANICAL OPTIONS	OTHER OPTIONAL FEATURES	OHMIC VALUE	PACKAGING
	0. Continuous 2. Stops	0. Standard (end taps) 1. Center tap (within 5 $^\circ$ of electrical center)		Box of 10 pieces
Other characteristics will be standard as described on this specification sheet. If special characteristics are required such as special linearity tolerance, special resistance tolerance, non-linear functions, etc., please state these on your order.				

SAP PART NUMBERING GUIDELINES				
132	2	1	103	B10
MODEL	MECHANICAL OPTIONS	ELECTRICAL OPTIONS	OHMIC VALUE	PACKAGING
	2: With stops	1: With center tap	103: 10K	Box of 10 pieces



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