

9MM SIZE ROTARY POTENTIOMETERS

Mechanical Characteristics:

	<i>Model ER902N / ER903N</i>
Total rotational angle	280° ± 5°
Rotational torque	(10-100gf.cm)
Click Torque	Rotational Torque + (10-100gfc.m)
Rotation stopper strength	0.3N.m (3kgf.cm)
Push pull strength	50N (5kgf)
Shaft lever wobble	0.8*L/20mmp-p MAX.

Electrical characteristics:

Total resistance	500Ω~1MΩ						
Total resistance tolerance	± 20% (more than 1MΩ ± 30%)						
Rated power	0.05 W						
Max. operating voltage	50V AC / 20V DC						
Resistance taper	A,B,C						
Residual resistance	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">$R \geq 250K\Omega$</td> <td style="text-align: right;">0.1% max. of total resistance</td> </tr> <tr> <td>$250K\Omega > R > 10 K\Omega$</td> <td style="text-align: right;">20Ω max</td> </tr> <tr> <td>$10 K\Omega \geq R$</td> <td style="text-align: right;">10Ω max</td> </tr> </table>	$R \geq 250K\Omega$	0.1% max. of total resistance	$250K\Omega > R > 10 K\Omega$	20Ω max	$10 K\Omega \geq R$	10Ω max
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$10 K\Omega \geq R$	10Ω max						
Slide noise	less than 100mV						
Insulation resistance	more than 100MΩ at DC 250V						
Withstand voltage	For 1 minute or more at 250V AC						

Durability:

Rotational life	10,000 Cycles
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