

## 24MM SIZE ROTARY POTENTIOMETERS

### Mechanical Characteristics:

Total rotational angle	$300^{\circ} \pm 10^{\circ}$	
Rotational torque	2 ~ 20mN.m (20 ~200gf.cm)	Switch Action 15-45mNm. (150-450gf.cm)
Rotation stopper strength	0.6N.m (6kgf.cm)	
Switch working angle	$50^{\circ} \pm 10^{\circ}$	

### Electrical characteristics:

Total resistance	10K $\Omega$ ~1M $\Omega$	
Total resistance tolerance	$\pm 20\%$ (more than 1M $\Omega \pm 30\%$ )	
Rated power	Curve B:0.5W Other than B:0.25W	
Max. operating voltage	curve B : 500V Other than B : 250V	
Resistance taper	A,B,C	
Residual resistance	$R \geq 250K\Omega$ 0.1% max. of total resistance $250K\Omega > R > 10 K\Omega$ 20 $\Omega$ max $10 K\Omega \geq R$ 10 $\Omega$ max	
Insulation resistance	more than 100M $\Omega$ at DC 500V	
Withstand voltage	1 minute at AC 500V	
Slide noise	less than 47mV	
Switch contact resistance	less than 30m $\Omega$	
Switch rated power	ER24 SR/SE      0.5A-AC250V ER24 SDR        4A/64A-AC250V ER27 SD          2A-AC250V	

### Durability:

Rotational life	10,000 Cycles
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