

## 12mm Insulated Shaft Rotary Potentiometers

### Electrical Characteristics

Total Resistance	1K ~ 2M $\Omega$				
Total Resistance Tolerance	$\pm 20\%$				
Resistance Taper	A. B. C. D. W. Taper				
Resistance Taper Characteristics	A50%	B50%	C50%	D50%	W50%
	15-25%	40-60%	75-85%	2-15%	45-55%
Rated Power	0.05 W				
Residual Resistance	$R \geq 250K\Omega$ 0.1% $250K\Omega > R > 10K\Omega$ 20 $\Omega$ Max. $10K\Omega \geq R$ 20 $\Omega$ Max.				
Noise	47 mV Max.				
Max. Operating Voltage	AC 50V / DC 20 V.				
Insulation Resistance	More than 100M $\Omega$ at DC 250V				
Withstand Voltage	1 minute at AC 300V				
Rotational Life	15,000 Cycles				

### Mechanical Characteristics

Total Rotational Angle	300° $\pm$ 5°
Stopper Strength	3kgf.cm max./3 Sec .
Rotational Torque	30 ~ 200 gf.cm
Shaft Pull-Push Strength	8kgf.cm max./3 Sec.
Shaft Lever Wobble	0.7x L/20mmp-p max.
Center Click Torque	150 ~ 300 g.cm
Shaft Bending	0.3mm max.
Soldering Heat	300°C, 3s. (Only for Hand-Soldering)
Remark	♣ Insulated shaft of black.