



Technical Characteristics

Standard Resistance Range	1K Ω ~ 100K Ω
Resistance Tolerance.....	$\pm 15\%$
Independent Linearity	$\pm 2.0\%$
Output Smoothness	$\leq 0.1\%$
Minimum Resistance	15 Ω or 0.5% R (take the higher one)
Withstand Voltage	101.3kPa. 750Vac
Effective Electronically Travel.....	$\geq 340^{\circ} \pm 5^{\circ}$
Insulation Resistance.....	500Vdc, $\geq 1G\Omega$
Power Rating (the highest operation voltage is 100Vdc)	
.....	+70 $^{\circ}C$ 0.5W, +125 $^{\circ}C$ 0W
Temperature Range.....	-55 $^{\circ}C$ ~ +125 $^{\circ}C$
Temperature Coefficient of Resistance	
.....	$\leq \pm 500 \times 10^{-6}/^{\circ}C$
Electrical Endurance	
.....	0.5W, 1000h, $\Delta R \leq \pm (10\%R + 2\Omega)$ @ 70 $^{\circ}C$
Collision	
.....	390 m/s ² , 4000 times, $\Delta R \leq \pm (3\%R + 1\Omega)$
Temperature Change	
.....	$\Delta R \leq \pm (5\%R + 1\Omega)$
Random Vibration	
.....	10~500Hz, 0.75mm or 98m/s ² , 6h
.....	$\Delta R \leq \pm (3\%R + 1\Omega)$
Loadlife	
.....	1 million cycles, $\Delta R \leq \pm 10\%R$
Mechanical Angl	
.....	360 $^{\circ}$ continuous (1610-xx)
.....	optional mechanical stops 340 $^{\circ} \pm 3^{\circ}$ (1610-xx-STOP)
Starting Torque.....	$\leq 4mN \cdot m$

Features

- Single Turn / Conductive Plastic
- Excellent rotational life
- $\phi 22.2 \times 11.4$

1610 Precision Conductive Plastic Potentiometer

Product Dimensions

