



Technical Characteristics

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

Features

- Single Turn / Conductive Plastic
- Excellent rotational life
- φ22.2×11.4

1610 Precision Conductive Plastic Potentiometer

Product Dimensions

