



Product Features

- Long life carbon element
- 40~340 Effective angles
- Superior resistance stability in environment change
- 0.1-watt power rating
- 1 million operational life
- Optional 2% tracking precision linearity
- Low noise in operating



RP12S Series Rotary Potentiometer

Electrical Characteristics

Resistance Range
500Ω through 100KΩ, linear

Resistance Tolerance
10%; 20%; 30%

Insulation Resistance
100 MΩ Min. @ 500 VDC

Dielectric Withstanding Voltage
1 minute at 500VAC

Power Rating
0.1 watt @70°C

Noise
200 mV Max.

Residual resistance
10 ohms Max

Operating voltage
DC5V±0.5V

Environmental Characteristics

Operational Life
±10%ΔR After 1000,000 cycles @Room Temperature

Operating Temperature Range
-30°C~120°C

Temperature cycling test
±20%ΔR@-20 ±3°C for 30 min and +60±3°C for 30 min for each cycle .

Dry heat test
±10% ΔR 96 hrs 80±2° C with 2 hrs air dry

Temperature coefficient of resistance
±800ppm/ °C

Cold test
±10% ΔR 96 hrs -30±2° C with 2 hrs air dry

Humidity test
±20% ΔR @96 hrs 40° C & 95% RH with 2 hours air dry

Mechanical Characteristics

Angle of Rotation
360°

Rotational Torque
0.2N.cm Max(Refer to customer's requirement)

Resistance to soldering heat
Manual260 °C ±5 °C for 4 sec.
Wave260 °C ±5 °C

Sliding life
1,000,000 cycles at 2K cycles per hour

Product Dimensions

