Cooka (Zhongshan) Technology Co., Ltd.

- 22mm diameter
- Special base element
- 5,000,000 cycles life
- ±1% precision linearity
- Lower temperature coefficient
- Water resistant(IP67)



IJS22 – Industrial Joystick Sensor Specification

Electrical

Standard Resistance Range 1kΩ, 2KΩ, 5KΩ, 10kΩ

Resistance Tolerance . . . . . 10% standard

End Resistance . . . . . 10Ω max.

Resistance Taper . . . . . linear

Linearity . . . . . ±1%

Noise (C.R.V.) . . . . . .100 mV

Temperature Coefficient . . . . . 1000ppm/℃

Power Rating . . . . . 0.25 watt at 40℃, 0 watt at 85℃

Maximum Input Voltage . . . . . 50VDC Max.

Insulation Resistance . . . . . 100MΩ minimum at 1,000VDC

Dielectric Strength . . . . . 1,000VAC, 1 minute

Mechanical

Mechanical Angle . . . . . 280°

Shaft Torque . . . . . .50 gf•cm Max.

Shaft Strength (push) . . . . . .12.75 kgf

Min.

Shaft Strength (tensile) . . . . . .12.75 kgf Min.

Mounting Nut Torque . . . . . .13 kgf•cm

Min.

IP Rating IP67

Soldering Condition

Manual Soldering . 350 °C ± 10 °C for 3.5 ± 0.5 sec.

Environmental

Working Temperature . . . . . -40℃ to

105℃

Storage Temperature . . . . . -45℃ to 125℃

Durability Test

Temperature Characteristics Test . . . . . 105℃, 5 hours

ΔT/R ≤±20%

Temperature Cycle Test . . . . . -40℃, 105℃,30 minutes each, 5 cycles

ΔT/R ≤±20%

Load Life Test. . . . . 40℃, 0.25 watt, 1,000 hours

ΔT/R ≤±10%

Moisture and Load Life Test . . 40℃, 90-95%RH,0.25 watt, 500 hours

ΔT/R≤±10%

Vibration Test . . . . . 10-55Hz, 1.5mm amplitude, 3 directions

ΔT/R ≤±5%

Soldering Heat Resistance Test . . . . . 350℃±5℃, 3 seconds

ΔT/R≤±2%

Rotational Life Test. . . . . 5,000,000 cycles without load

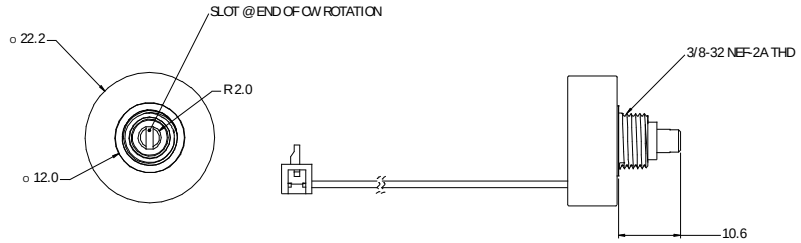
Special: 10,000,000 cycles

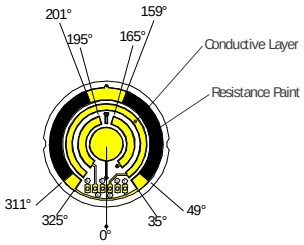
ΔT/R≤±5%

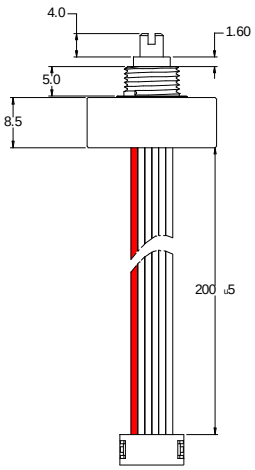
ΔT/R = Total Resistance Change

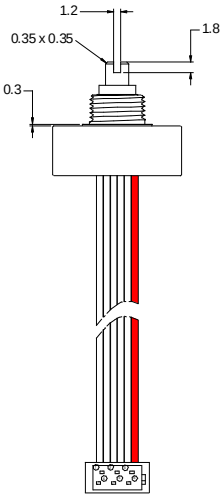
IJS22 Series Product Dimension

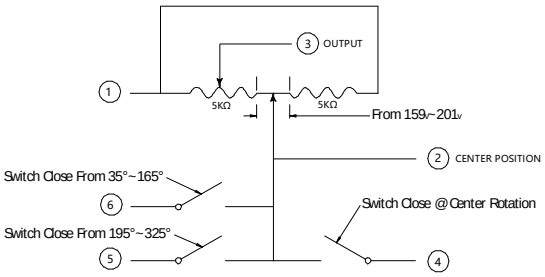
Unit: mm











IJS22 Series Part Numbering System

