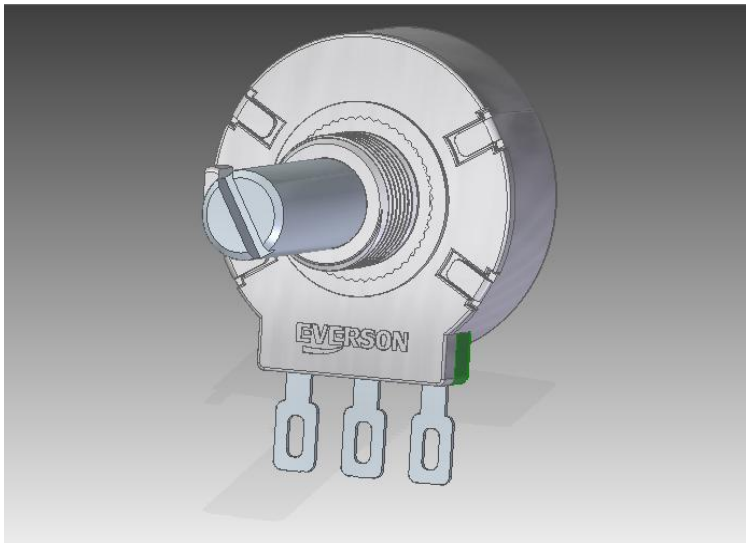




Product Features

- Long life carbon element
- 40~340Effective angles
- Superior resistance stability in environment change
- 0.5-watt power rating
- Masking & anti-static functions
- 2 million long operational life
- Optional 1% tracking precision linearity
- Low noise in operating
- High performance wire contactor



RP22L Series Long Life Rotory Potentiometer

Electrical Characteristics

Resistance Range

500Ω through 500KΩ, linear

Resistance Tolerance

10%; 20%; 30%

Insulation Resistance

100 MΩ Min. @ 500 VDC

Dielectric Withstanding Voltage

1 minute at 500VAC

Power Rating

0.25 watt @70℃

Noise

100 mV Max.

Residual resistance

1ohms Max

Operating voltage

250 VDC Max.

Environmental Characteristics

Operational Life

±10%ΔR After 3000,000 cycles @300 ° Mechanical angle,Room Temperature

±10%ΔR After 2000,000 cycles @360 ° Mechanical angle,Room Temperature

Operating Temperature Range

-30℃~85℃

Temperature cycling test

±20%ΔR@-20 ±3℃ for 30 min and +60±3℃ 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

300°, 360°

Rotational Torque

10gf.cm~300gf.cm(Refer to customer's requirement)

Stop strength

10kgf.cm Min.

Push-pull strength

15Kgf.cm Min.

Resistance to soldering heat

Manual260 °C ±5 °C for 4 sec.

Wave260 °C ±5 °C

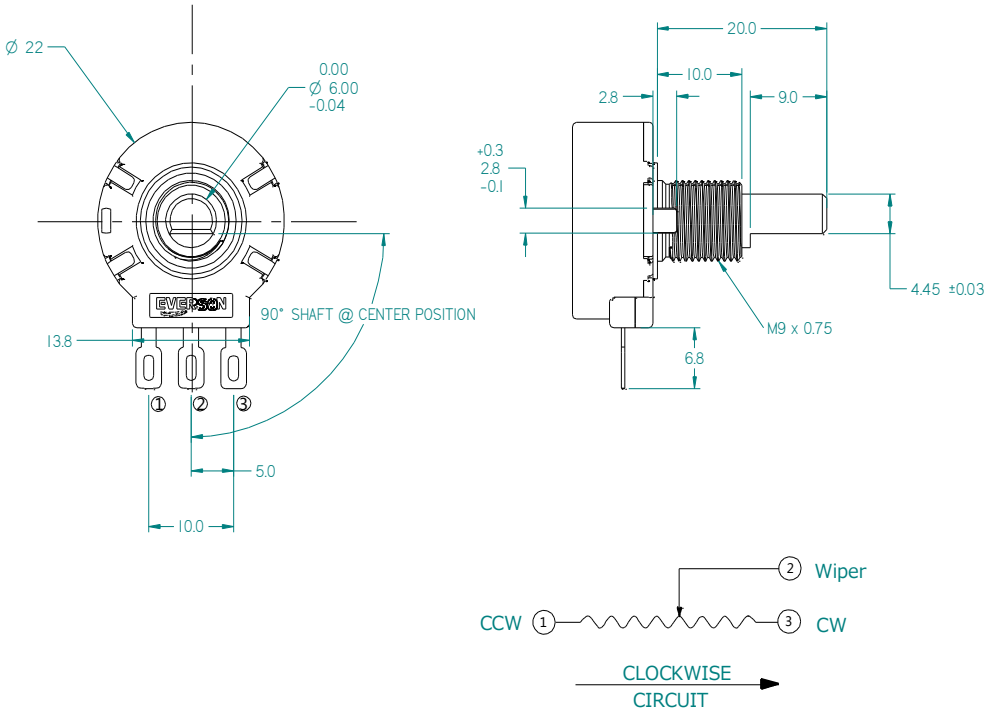
Sliding life

300° Rotation: 3,000,000 cycles at 2K cycles per hour

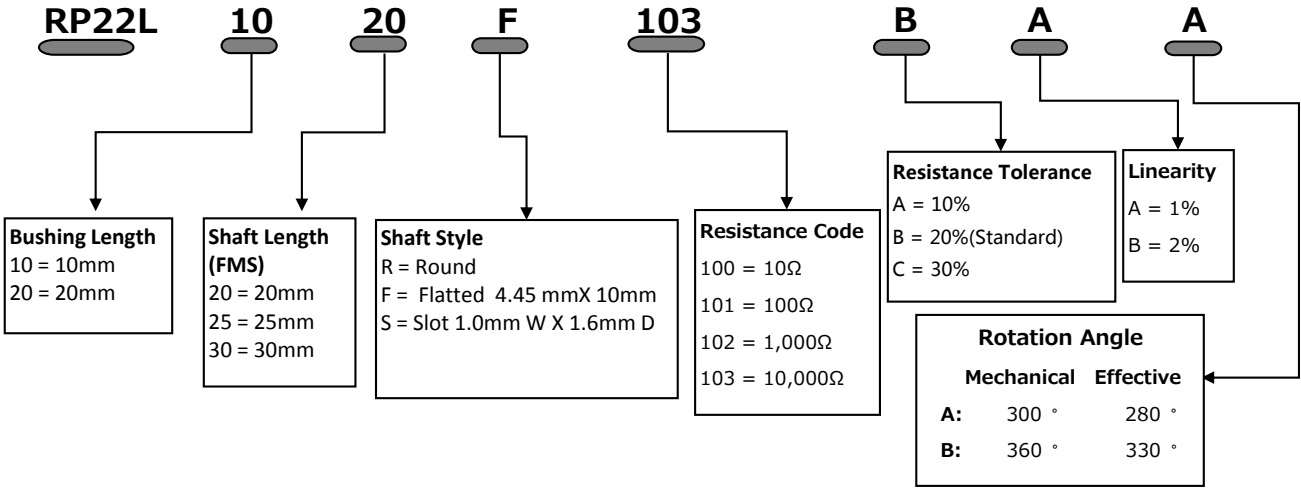
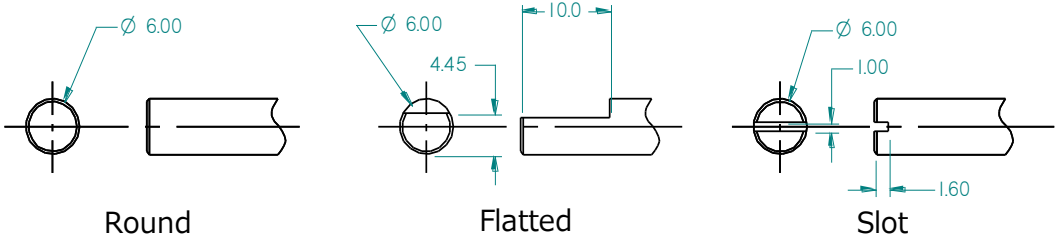
360° Rotation: 2,000,000 cycles at 2K cycles per hour

Product Dimensions

Dimensions Unit: mm



Shaft Style Dimensions Unit: inch



Note: FMS=From Mounting Surface