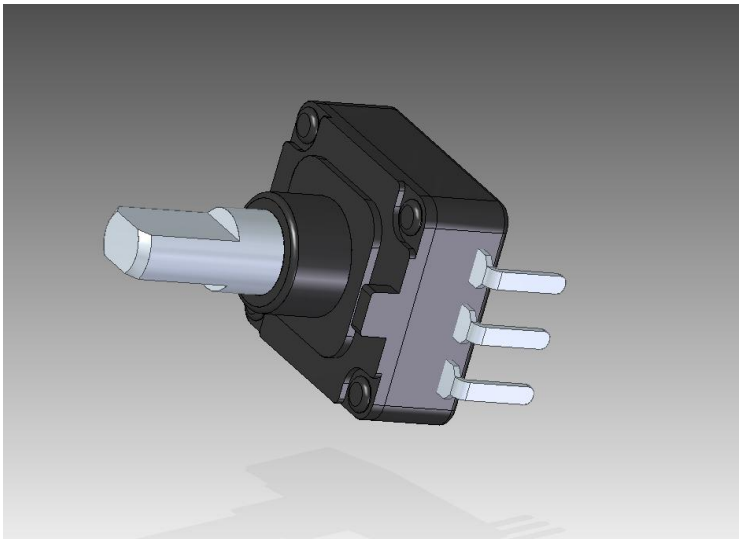




Product Features

- Long life carbon element
- 220° & 360° Effective angles
- Superior resistance stability in environment change
- 0.05-watt power rating
- 0.5 million operational life
- Optional 1.5% tracking precision linearity
- Low noise in operating



RP12T 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

0.05 watt @70°C

Noise

200 mV Max.

Residual resistance

20 ohms Max

Operating voltage

DC5V±0.5V

Environmental Characteristics

Operational Life

±10%ΔR After 500,000 cycles @Room Temperature

Operating Temperature Range

-10°C~70°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

220°

Rotational Torque

0.5N.cm Max(Refer to customer's requirement)

Resistance to soldering heat

Manual260 °C ±5 °C for 4 sec.

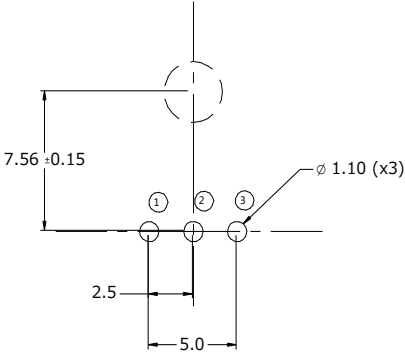
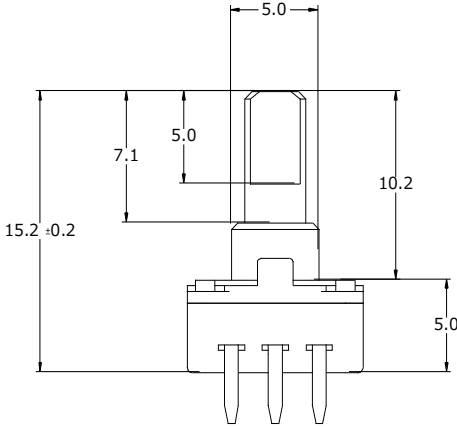
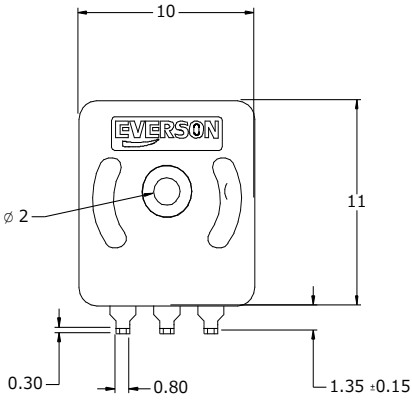
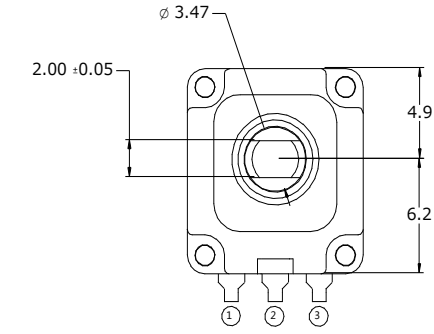
Wave260 °C ±5 °C

Sliding life

500,000 cycles at 2K cycles per hour

Product Dimensions

Dimensions Unit: mm



RECOMMENDED PCB HOLES

