



Feature

1. Dust-proof construction protects the interior from dust, which maintains stable characteristics.
2. High accuracy and long life over 1 million cycles.
3. Stable output characteristics can be secured for external noise and temperature changes.

F07K Series position sensor

Electrical characteristics

- Total Resistance.....500 Ω ~ 1M Ω
- Total Resistance Tolerance..... $\pm 20\%$
- Resistance Taper.....B taper
- Rated Voltage.....DC 5V, AC 50V
- Rated Power.....0.1W
- Linearity Tolerance.....Less than $\pm 2\%$
- Sliding Noise.....Less than 300mV
- Insulated Resistance.....More than 100M Ω at DC25V for 1 Minute
- Withstand voltage.....250V AC, for 1 Minute

Mechanical characteristics

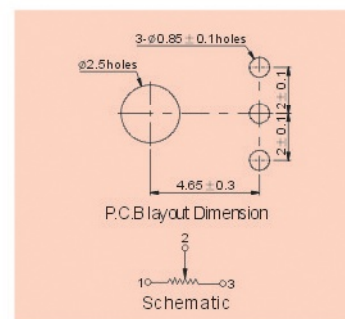
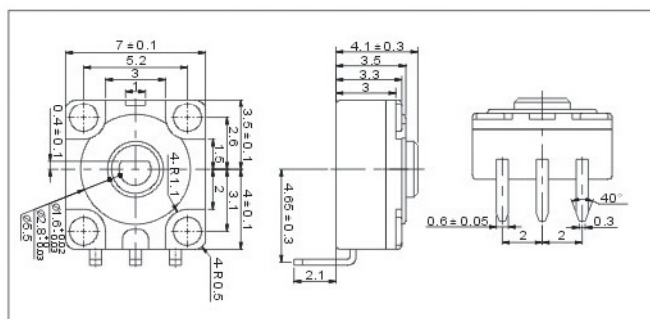
- Total Rotational Angle.....360° Continuous
- Rotation Torque5~50gf.cm
- Pull strength of rotational shaft.....500gf Min

Environmental characteristics

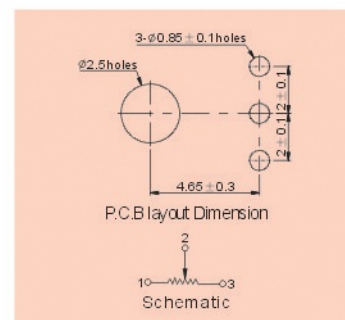
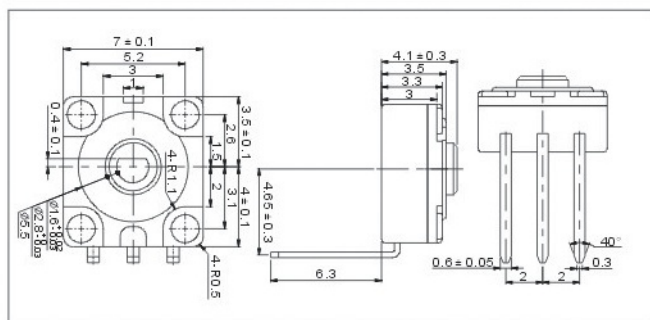
- Storage temperature.....-40°C to +70°C
- Operating temperature.....-10°C to +70°C
- Dry heat.....70 $\pm 2^\circ\text{C}$, 240 $\pm 2\text{h}$, $\Delta\text{TR} +5\%/-30\%$
- Cold.....-30 $\pm 2^\circ\text{C}$, 300 $\pm 5\text{h}$, Without load, $\Delta\text{TR} \pm 20\%$
- Damp heat.....70 $\pm 2^\circ\text{C}$, 85%RH, 300 $\pm 5\text{h}$, $\Delta\text{TR} +35/-5\%$

- Temperature cycles.....-10°C~+70°C, 5 cycles, $\Delta TR \pm 10\%$
- Rotational life.....1 million cycles min
- Temperature characteristic.....70 $\pm 3^\circ\text{C}$, 5H, $\Delta TR + 5\%/-20\%$
- Soldering condition.....260 $\pm 5^\circ\text{C}$, 3sec. Max.

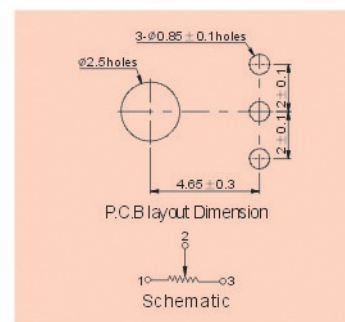
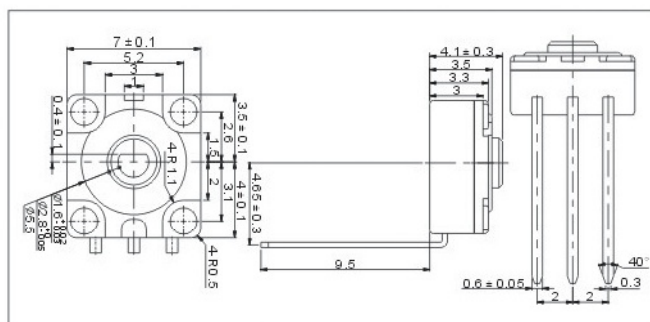
F07KH



F07KH1



F07KH3



HOW TO ORDER

