

RoHS
COMPLIANCE

Feature

1. Flux build-up prevention is taken through inserting molding around the resistor with resin
2. A large variety of products lined up to support various application.
3. With dual shaft adjustment

F-094 Metal shaft rotary potentiometer

Electrical characteristics

- Total Resistance.....1K Ω ~500K Ω
- Total Resistance Tolerance..... $\pm 20\%$
- Resistance Taper.....A,B,C,D
- Max.Operator Voltage.....AC50V, DC10V
- Rated Power.....Linear Taper B:0.05W
Other Tapers:0.025W
- Sliding Noise.....Less than 100mv
- Insulation Resistance.....More than 100M Ω at DC 250v
- Withstand voltage.....1 minute at AC 300V
- Residual Resistance.....Term.1~2:Less than 20 Ω
Term.2~3:Less than 20 Ω

Mechanical characteristics

- Total Rotational Angle.....300° $\pm 10^\circ$
- Rotational Torque(outer shaft).....20gf.cm~120gf.cm
- Rotational Torque(inner shaft).....3gf.cm~60gf.cm
- Click Torque.....50gf.cm~200gf.cm
- Rotational Stopper Strength.....3.0kgf.cm Min.
- Push-Pull Strength.....6.0kgf Min

Durability

- Rotational Life.....15,000 Cycles

Switch characteristics

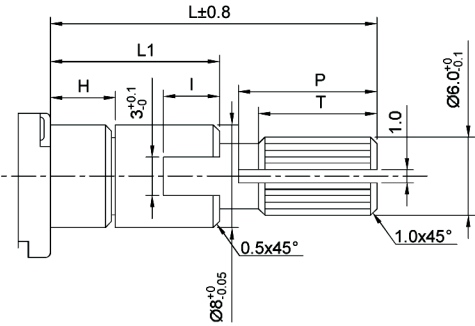
- Switch rated power.....3.0A at DC 16V
- Switch Contact Resistance.....Less than 100m Ω
- Switch Rotational Angle.....50°Max
- Switch torque..... 500gf.cm Max



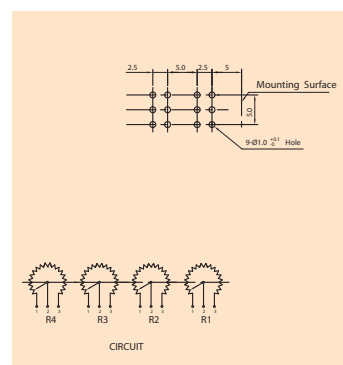
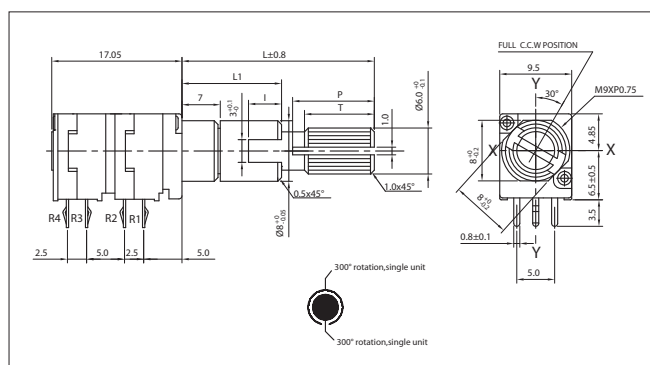
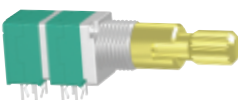
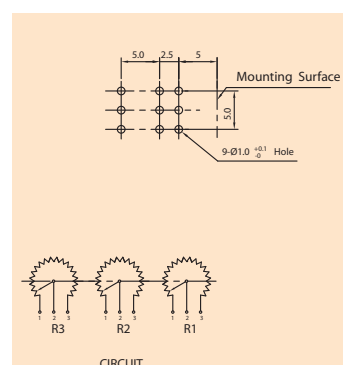
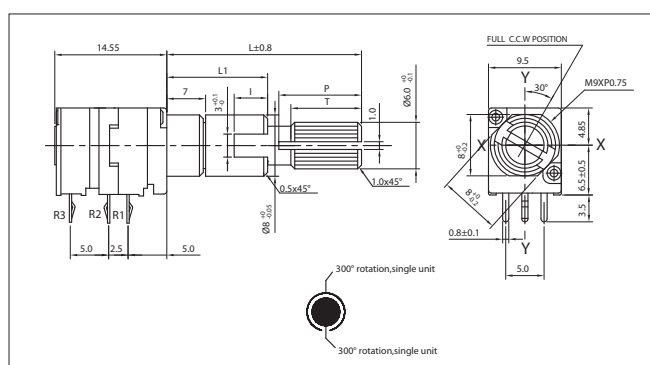
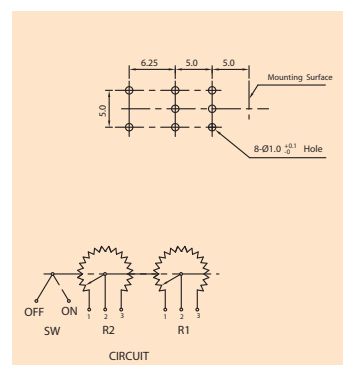
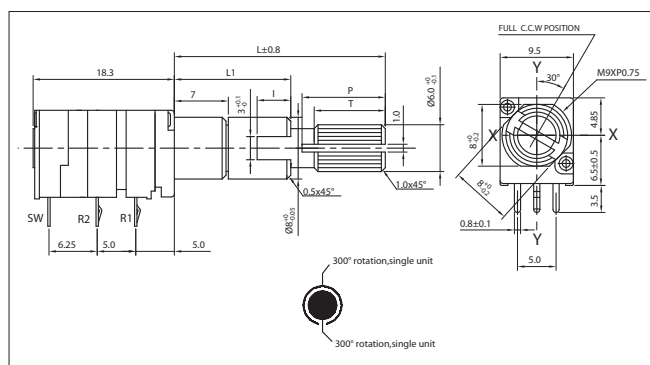
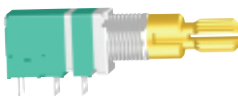
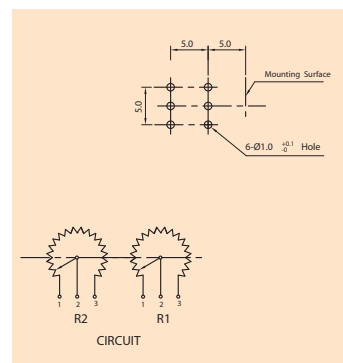
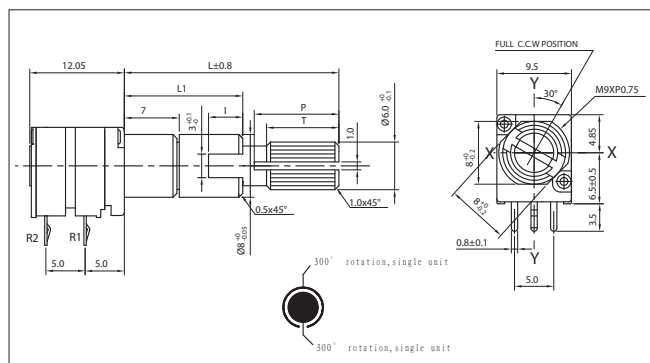
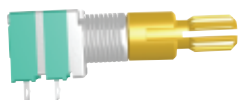
Shaft illustration

Standard Dimensions of shaft for
F-094Series.
(Customer designs are welcomed)

Type of shaft
KQ-Type



L	25	30
L1	15	20
P	9	9
T	8	8
I	5	5



Part number system of metal shaft potentiometer

