



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 applications.

F091 Series Rotary Potentiometer

Electrical characteristics

- Total Resistance.....1K Ω ~500K Ω
- Total Resistance Tolerance..... $\pm 20\%$
- Resistance Taper.....A,B,C,D, etc.
- Max. operating Voltage.....AC50V, DC10V
- Rated Power.....Linear Taper B:0.05W
Other Tapers:0.025W
- Sliding Noise.....Less than 100mv
- Insulation Resistance.....More than100M 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
- Gang Error(Dual Unit or Multi Unit).....-40dB~0dB ± 3 dB

Mechanical characteristics

- Total Rotational Angle.....300 $^{\circ}$ $\pm 10^{\circ}$
- Rotational Torque.....5gf.cm~120gf.cm
- Click Torque.....50gf.cm~200gf.cm
- Rotational Stopper Strength.....4.0Kgf.cm Min.
- Push-Pull Strength.....6.0Kgf Min
- Bushing nut tighten strength.....8.0Kgf.cm Min
- Number of detents(click).....1C(Center Detent), 11C, 21C, 41C

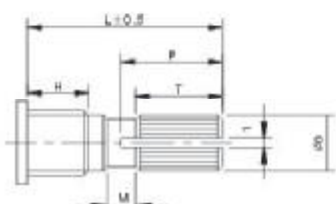
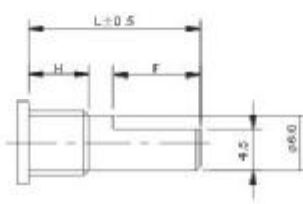
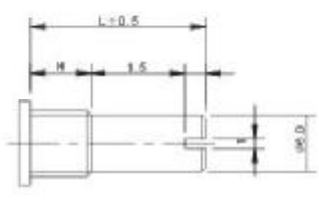
Durability

- Operating temperature range.....-10°C ~ +70°C
- Storage temperature range.....-30°C ~ +80°C
- Rotational Life.....15,000 Cycles

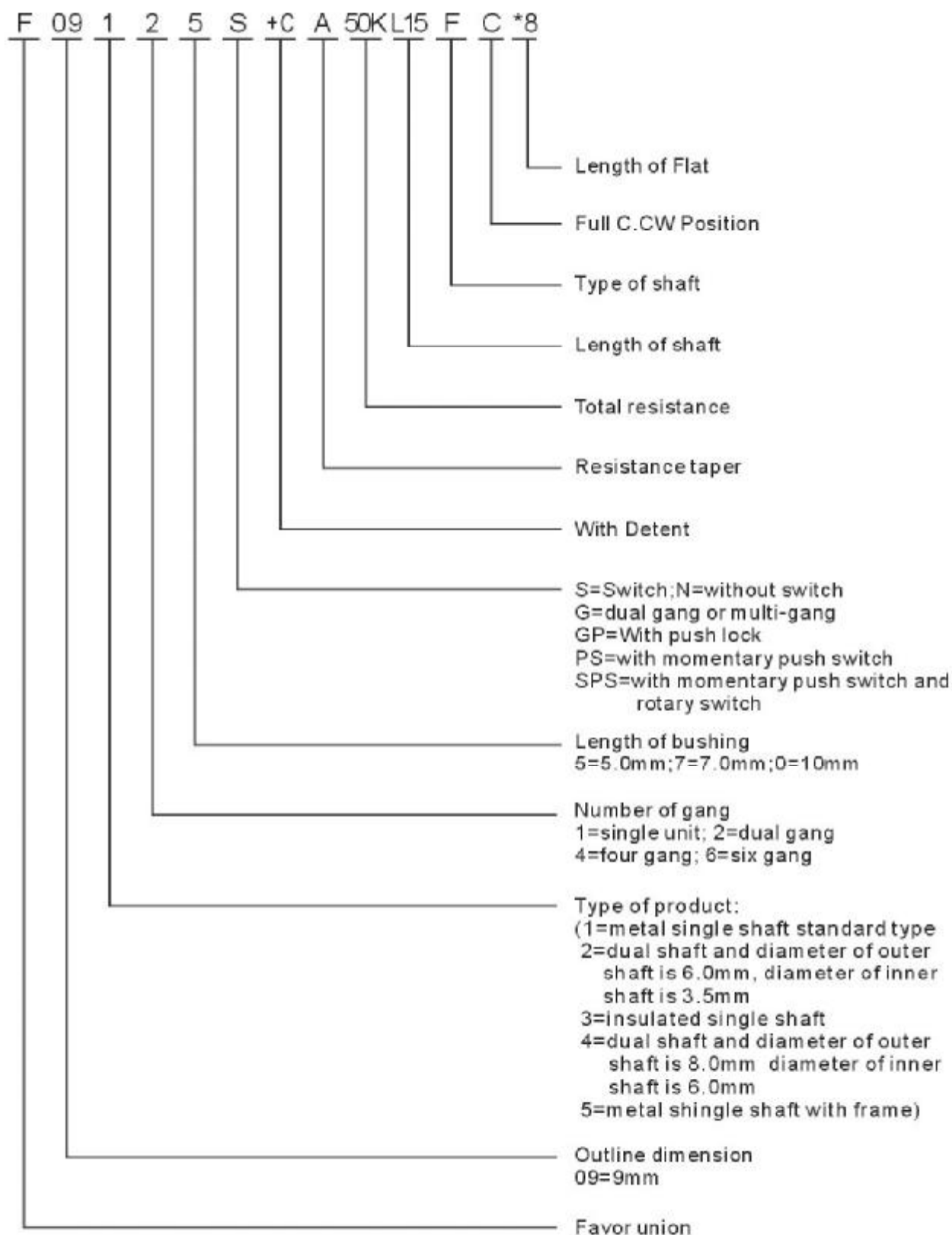
Switch characteristics

- Contact resistanceLess than 100mΩ
- Switch rated power.....3.0A at DC 16v
- Switch push stroke length.....0.5+0.7/-0.3mm
- Switch Rotational Angle.....50° Max
- Switch torque.....Push:200~800gf
Rotational:500gf.cm Max
- Switch circuit.....S.P.S.T & D.P.S.T

Type of Shaft

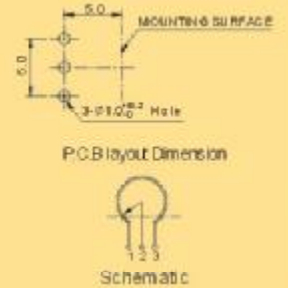
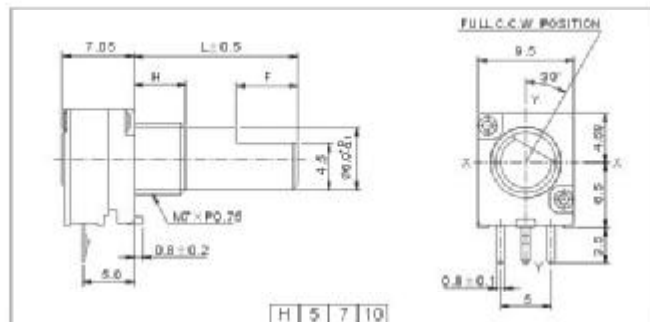
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HOW TO ORDER



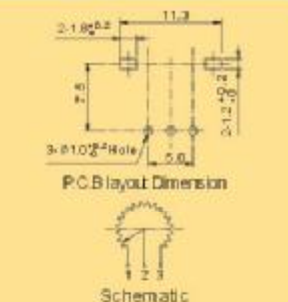
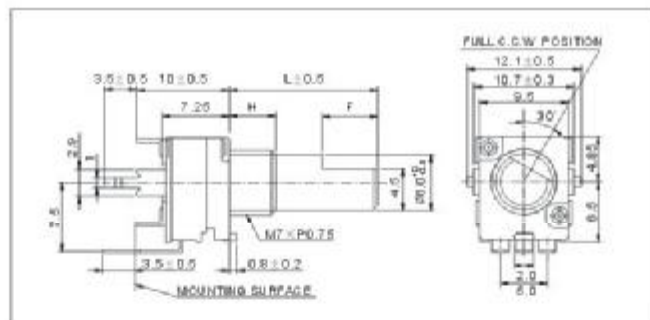
F0911□N

Vertical Type, Single Unit
With 1,11,21,41 Clicks



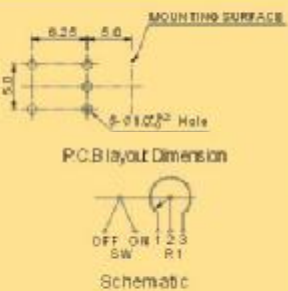
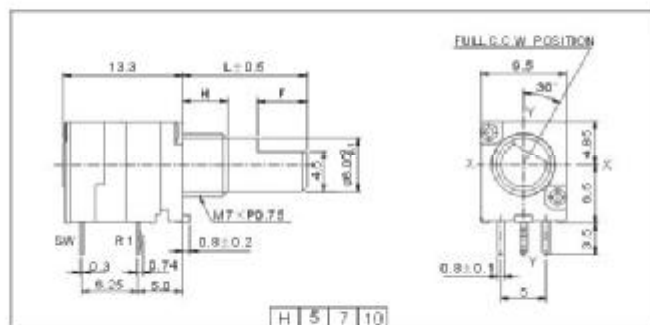
F09115N-2

Horizontal Type, Single Unit
With 1,11,21,41 Clicks



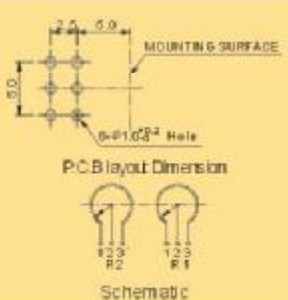
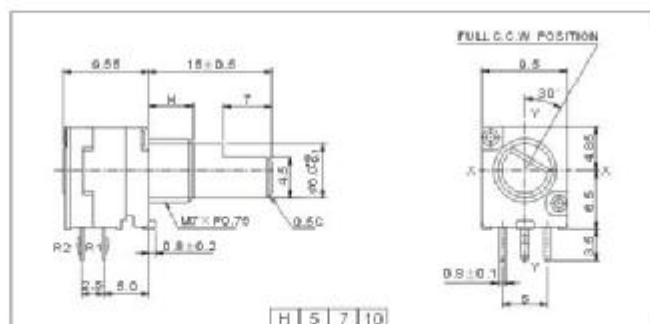
F0911□S

Vertical Type with Switch,
Single Unit with 1,11,21,41 Clicks



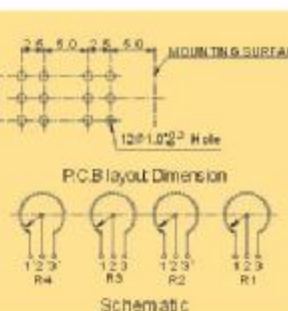
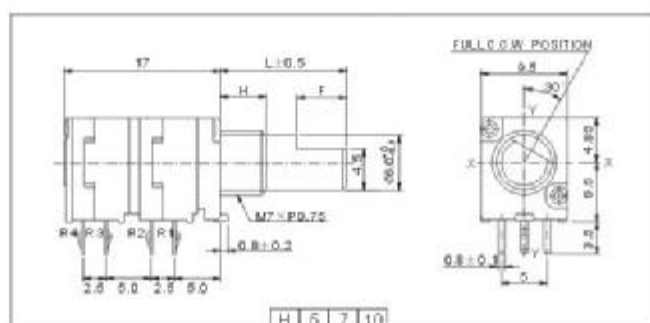
F0912□G

Vertical Type, Dual Unit
With 1,11,21,41 Clicks

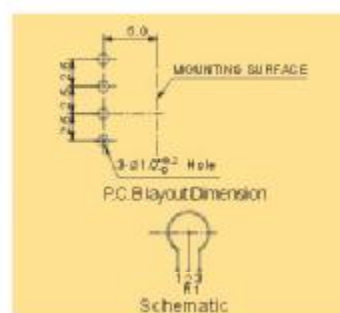
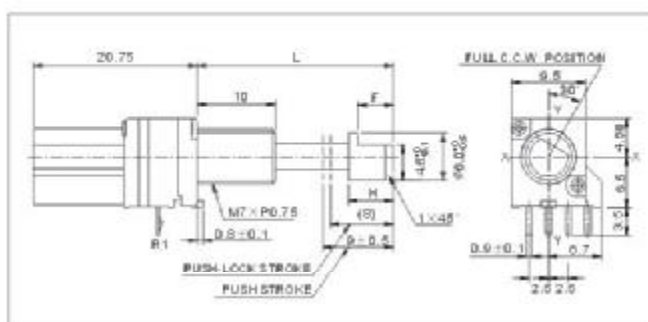


F0914□G

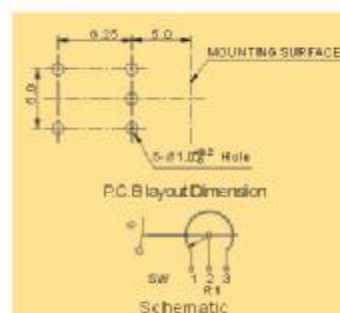
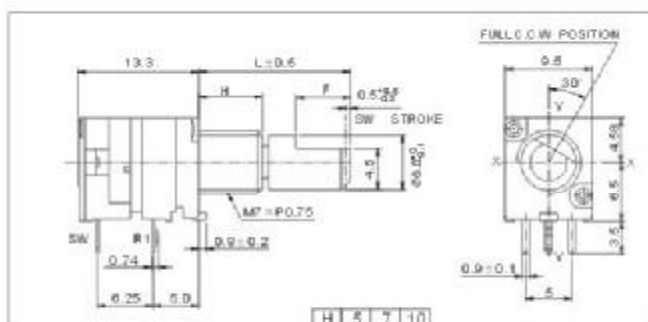
Vertical Type, Dual Unit
With 1,11,21,41 Clicks



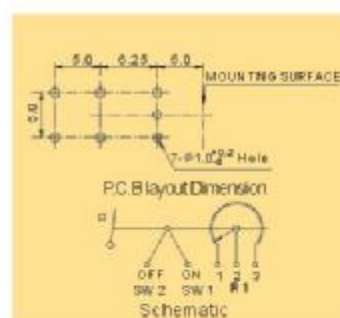
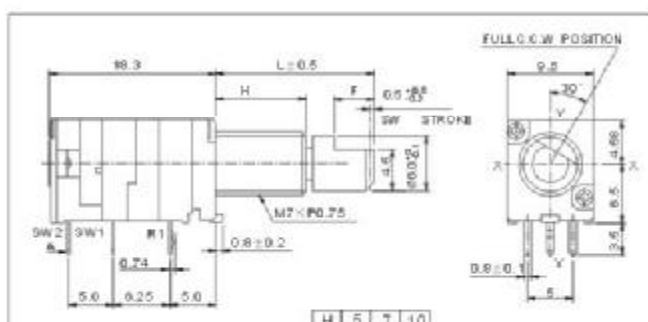
Vertical Type with Push-Lock Mechanism, Single Unit With 1, 11, 21, 41 Clicks



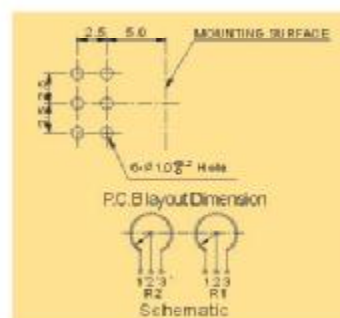
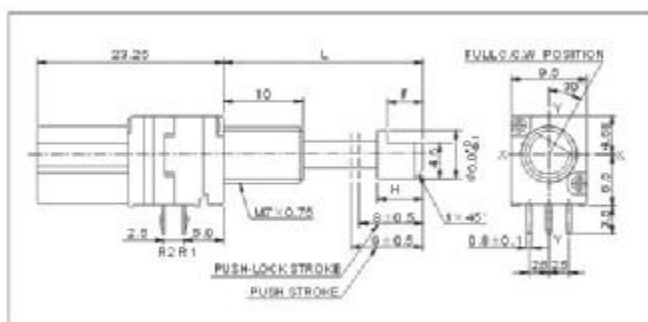
Vertical Type with Momentary Push Switch, Single Unit With 1.11.21.41 Clicks



Vertical Type with Momentary Push Switch and Rotary Switch, Single Unit With 1,11,21,41 Clicks



Vertical Type with Push-Lock Mechanism, Dual Unit
With 1.11.21.41 Clicks



Horizontal Type, Dual Unit
With 1, 11, 21, 41 Clicks

