

RoHS
COMPLIANCE

Feature

- 1 Low-profile
- 2 Dual-unit type offer superior gang error characteristics
- 3 Dip and reflow solderable

F-1001 Thumbwheel Driving Potentiometer

Electrical characteristics

- Total Resistance..... $500\Omega \sim 1M\Omega$
- Total Resistance Tolerance..... $\pm 20\%$
- Resistance Taper.....A,B,C,D
- Rated Power.....Linear Taper B: 0.05W Other Tapers:0.025W
- Sliding Noise.....Less than 100mv
- Residual Resistance..... Term.1~2:Less than 20Ω
Term.2~3:Less than 20Ω
- Withstand Voltage..... 1 minute at AC 100V
- Insulated Resistance..... More than $100M\Omega$ at DC 100V
- Gang Error(Dual Unit).....-40dB~0dB $\pm 3dB$

Mechanical characteristics

- Total Rotational Angle..... $270^\circ \pm 5^\circ$ 1001G(P)S: $180^\circ \pm 5^\circ$
- Rotational Torque.....10gf.cm~90gf.cm
- Rotational Stopper Strength.....0.8kgf.cm Min.
- Push-Pull Strength..... Push: 0.5kgf.cm Min
Pull: 0.2kgf Min

Durability

- Rotational Life..... 10,000 Cycles

MinSwitch Specifications

- Contact Resistance..... Less than $100m\Omega$
- Insulation Resistance.....More than $100m\Omega$
- Withstand Voltage.....AC 100V(50~ 60HZ) for 1 Min
- Travel..... $0.5 \pm 0.2mm$
- Operating force..... $580 \pm 150gf$

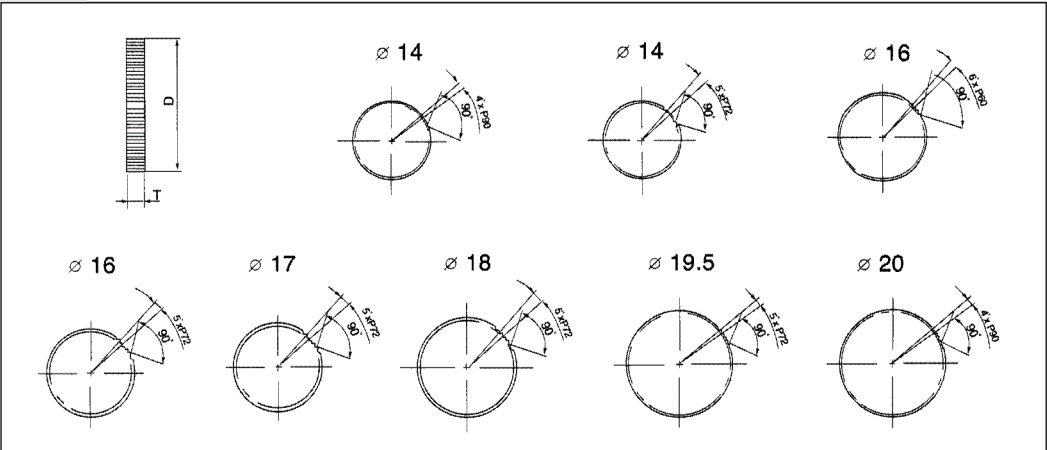
Durability

- Rotational Life..... 10,000 Cycles Min



Shaft illustration

Standard Dimensions of Knob for F-1001 Series.
(Customer designs are welcomed)



Type of Knob (Unit:mm)

Outside Diameter(D)	14	14	14	16	16	16	16	17	18	18	18	19.5	20	20	20	22
Thickness(T)	1.0	2.0	2.8	1.0	2.0	2.65	2.8	2.8	1.0	2.0	2.8	2.8	2.0	2.2	2.8	2.8
Height(H)	2.4	3.4	4.2	2.4	3.4	4.0	4.2	4.2	2.4	3.4	4.2	4.2	3.4	4.2	4.2	4.2



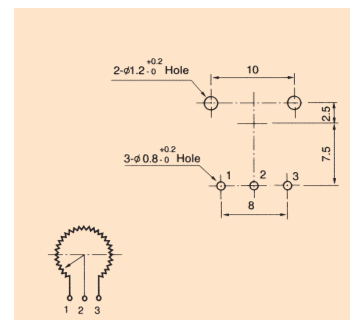
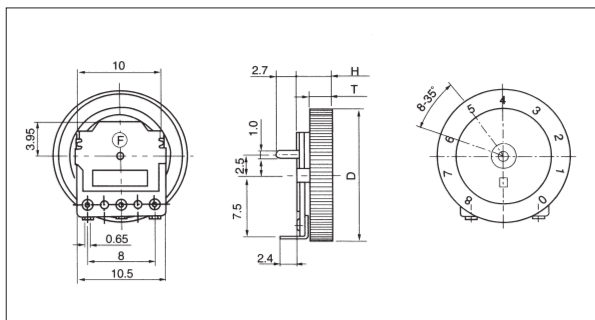
F-1001 Series



Super Thin Rotary Potentiometer

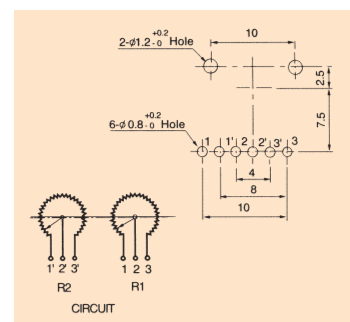
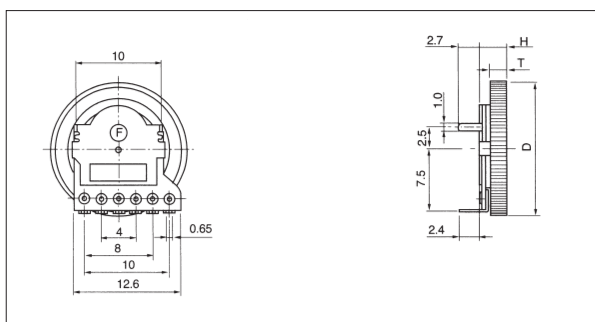
F-1001N-3 (R)

Horizontal Type, Single Unit



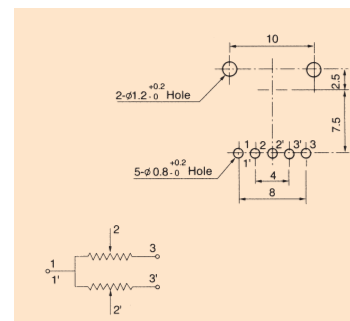
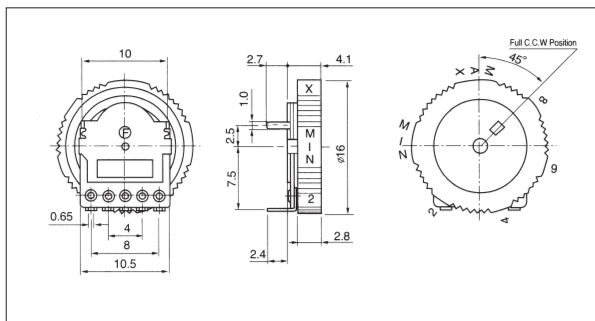
F-1001G-11

Horizontal Type, Single Unit



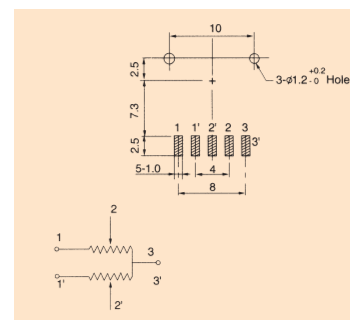
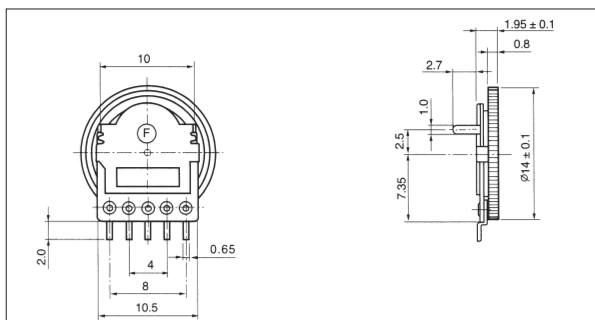
F-1001G-2.8x16-NO-2

Horizontal Type, Dual Unit



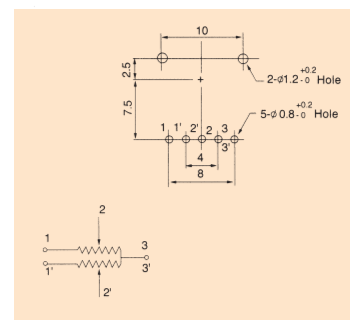
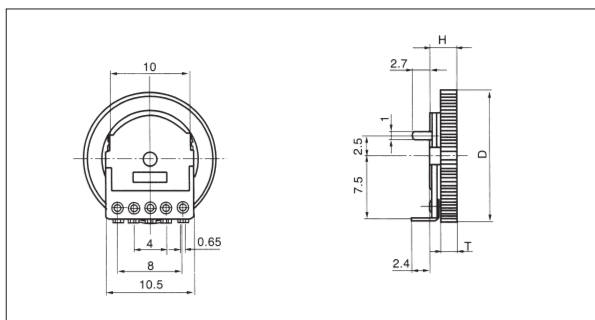
F-1001GP-5

Horizontal Type, Dual Unit



F-1001G-3/W10

Horizontal Type, Dual Unit



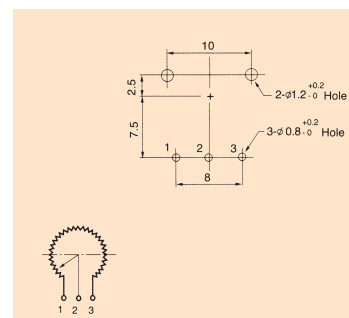
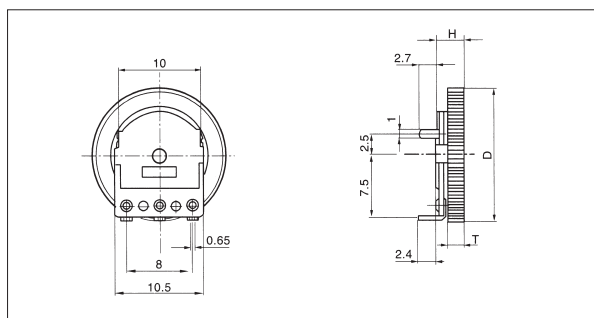


F-1001 Series

Super Thin Rotary Potentiometer

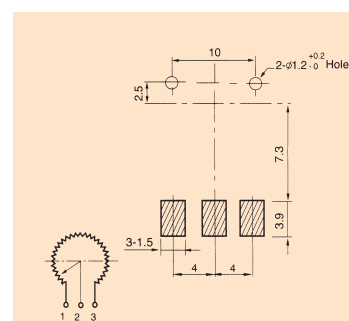
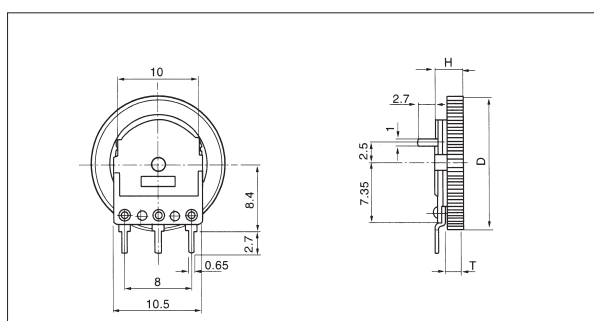
F-1001N

Horizontal Type, Single Unit



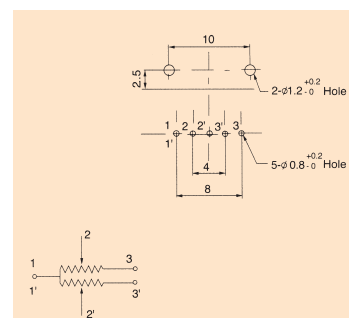
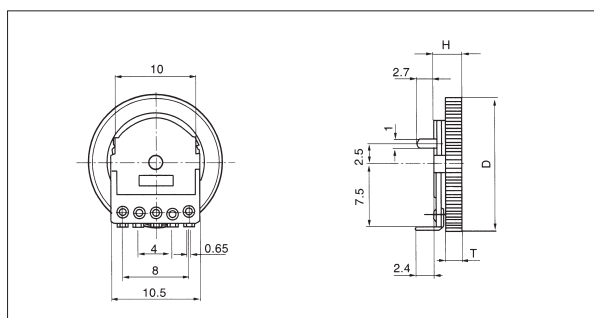
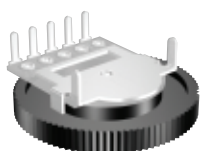
F-1001NP

Vertical Type, Single Unit



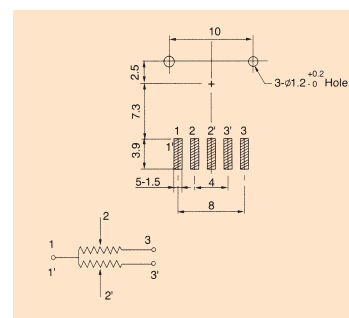
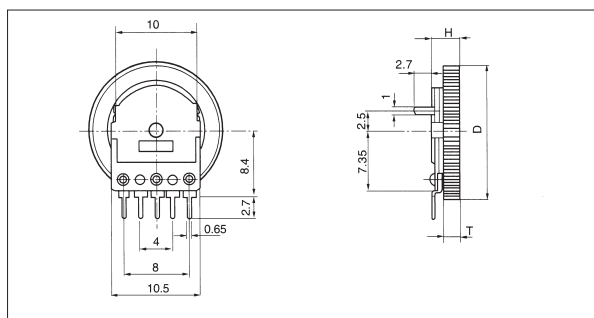
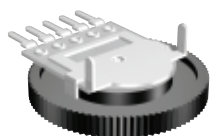
F-1001G

Horizontal Type, Dual Unit



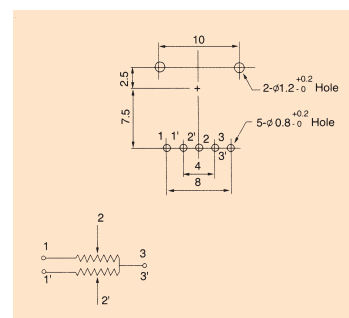
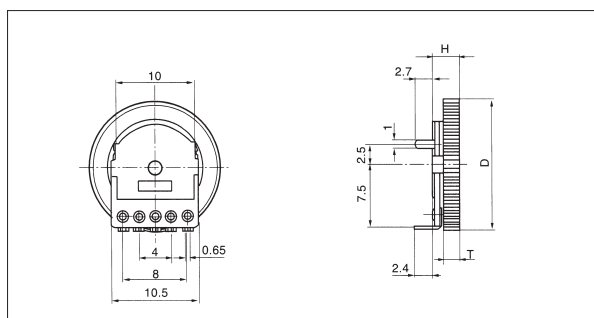
F-1001GP

Vertical Type, Dual Unit



F-1001G-3

Horizontal Type, Dual Unit



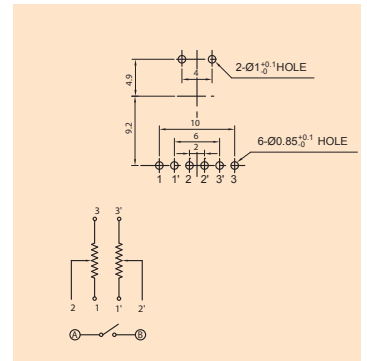
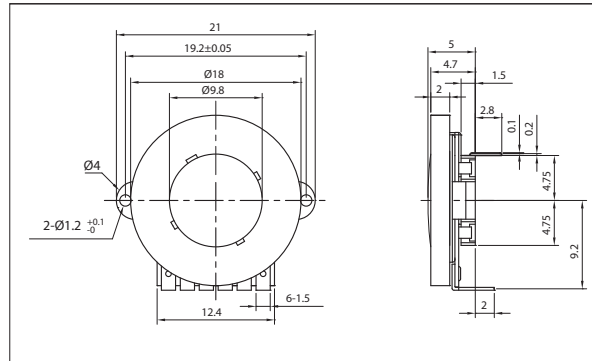


F-1001 Series

Super Thin Rotary Potentiometer

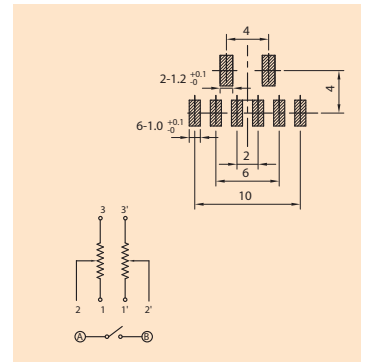
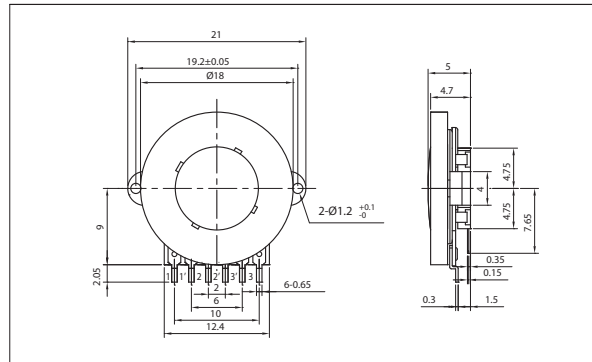
F-1001GS

Horizontal Type, Dual Unit with Push Switch



F-1001GPS

Horizontal Type, Dual Unit with Push Switch





Part number system of thumbwheel driving potentiometer

