



Feature

- 1. Carbon element
- 2. Switch option
- 3. Wide assortment of resistance tapers

F-16 molded case rotary potentiometer

Electrical characteristics

- Total Resistance..... $100\ \Omega \sim 1M\ \Omega$
- Total Resistance Tolerance..... $\pm 20\%$
- Resistance Taper.....A,B,C,D
- Max.Operator Voltage.....Linear Taper B: AC 200V.
Other Tapers: AC150V
- Rated Power.....Linear Taper B: 0.1W Other Tapers:0.05W
- Sliding Noise.....Less than 100mv
- Residual Resistance.....Term.1~2:Less than $10\ \Omega$
Term.2~3:Less than $10\ \Omega$
- Switch Circuit.....S.P.S.T
- Switch Contact Resistance.....Less than $50m\ \Omega$
- Switch Withstand Voltage.....1 Minute at AC 500v
- Switch Rated Power.....1.0A at AC/DC 12V

Mechanical characteristics

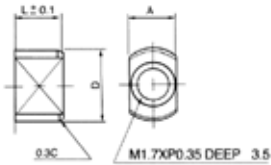
- Total Rotational Angle..... $260^\circ \pm 10^\circ$
- Rotational Torque.....10gf.cm~100gf.cm
- Switch Torque.....150gf.cm~450gf.cm
- Rotational Stopper Strength.....2.0kgf.cm Min.
- Push-Pull Strength.....Push: 1.0kgf.cm Min
- Switch Rotational Angle..... $30^\circ \pm 10^\circ$

Durability

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

Shaft illustration

Standard Dimensions of Shaft for
F-16 Series.
(Customer designs are welcomed)



L	1.0~5.0
A	$2.4^{+0}_{-0.1}$
D	$\phi 4.0$



F-16 Series (ø16.0mm)



Molded Case Rotary Potentiometer

KNOB ILLUSTRATION

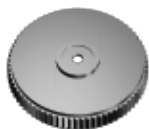
Standard Dimensions of Knob for F-16 Series
(Customer designs are welcomed)



● # 12357-1



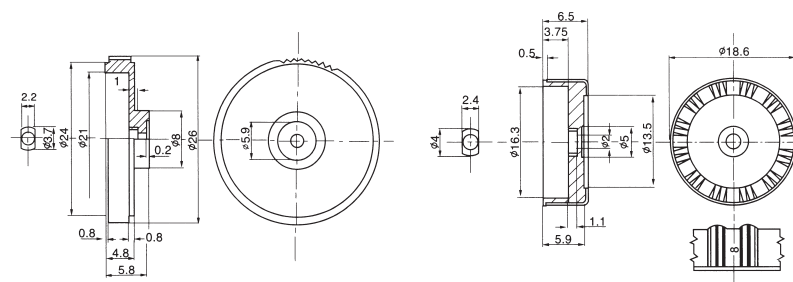
● # 12276



● # 12276-2

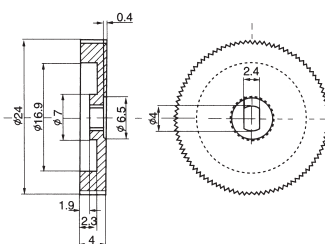


● # 12276-5

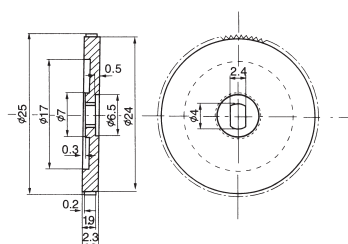


● # 12276-2 (for 12 mm series)

● # 12357-1 (for 16 mm series)

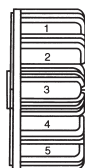


● # 12276 (for 16 mm series)

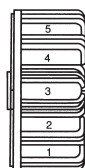


● # 12276-5 (for 16 mm series)

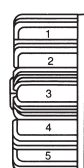
● # 12357-1 Knob Layout (for 16 mm series)



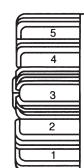
A1
0 - 9
LEFT



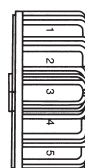
A2
9 - 0
LEFT



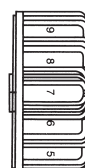
A3
0 - 9
RIGHT



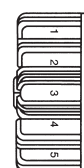
A4
9 - 0
RIGHT



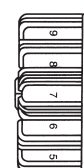
A5
0 - 9
DOWN



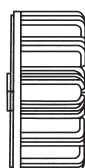
A6
9 - 0
DOWN



A7
0 - 9
UP



A8
9 - 0
UP



A0
NO MARKING



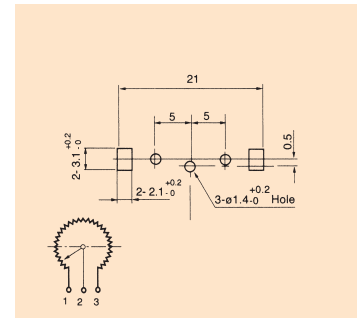
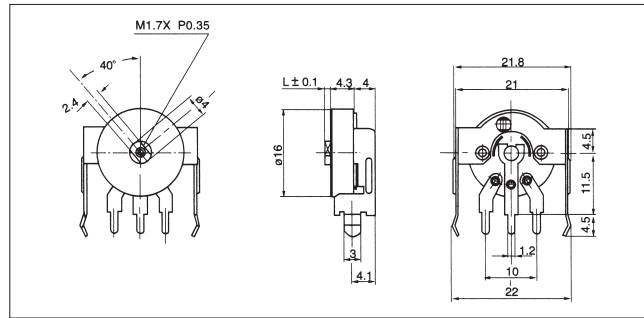
F-16 Series (ø16.0mm)

Molded Case Rotary Potentiometer



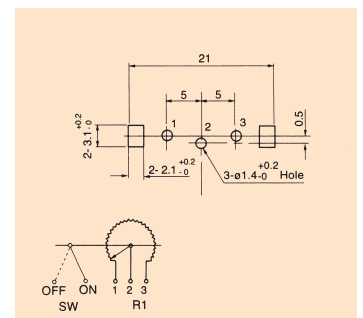
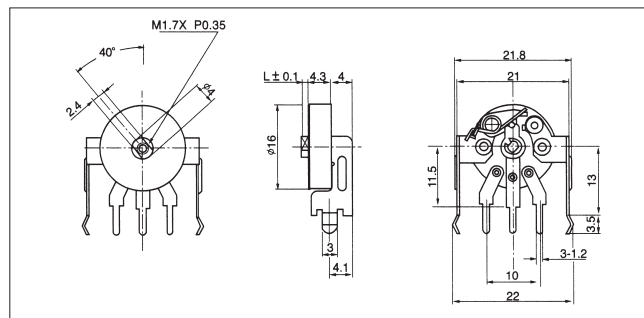
F-16NH

Vertical Type ,Single Unit



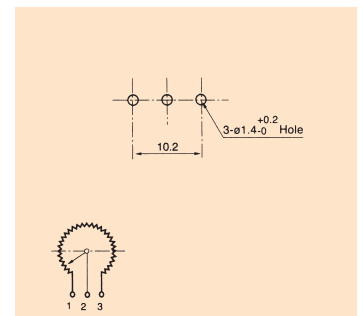
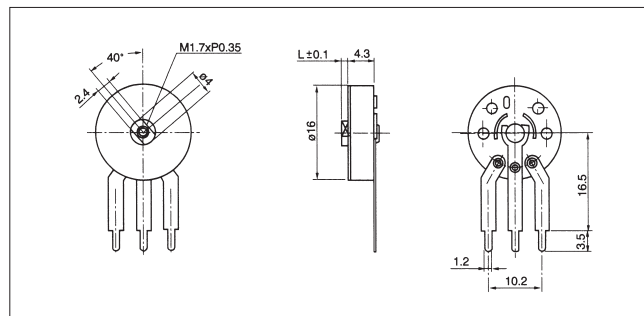
F-16SH

Vertical Type with Switch,
Single Unit



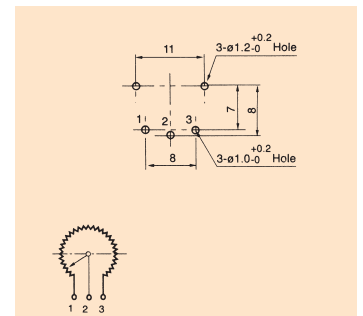
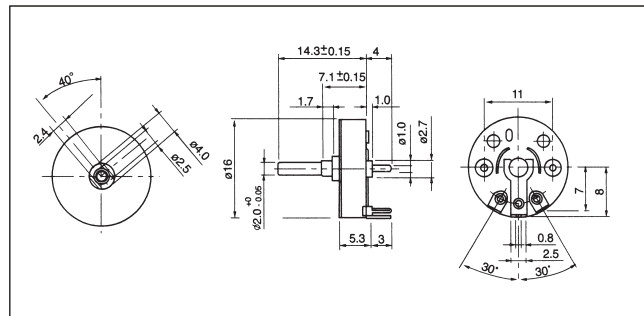
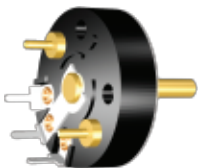
F-16N4

Vertical Type ,Single Unit



F-16NPG7

Horizontal Type ,Single Unit





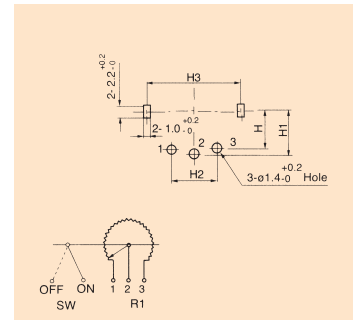
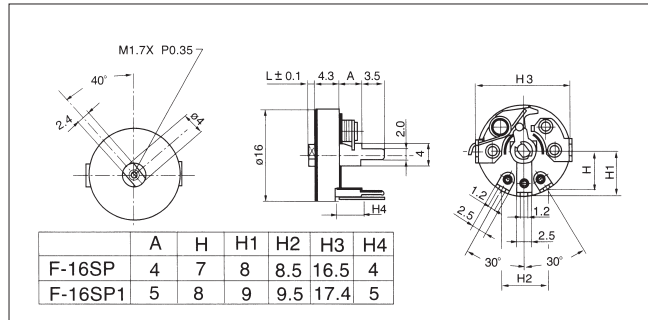
F-16 Series (ø16.0mm)



Molded Case Rotary Potentiometer

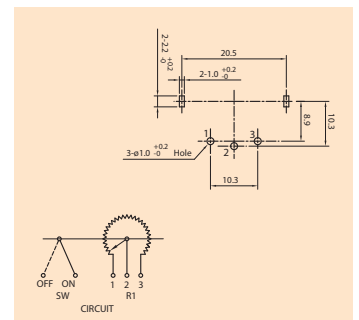
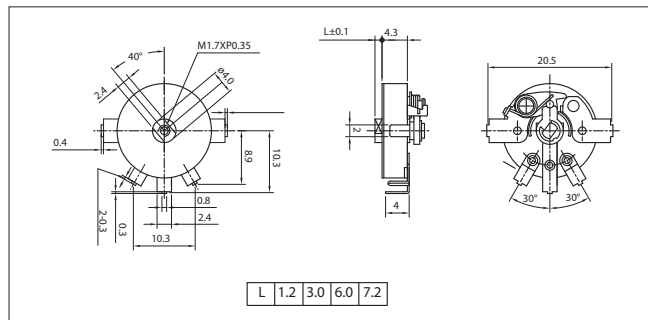
F-16SP

Horizontal Type with Switch,
Single Unit



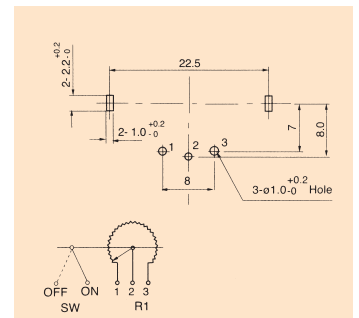
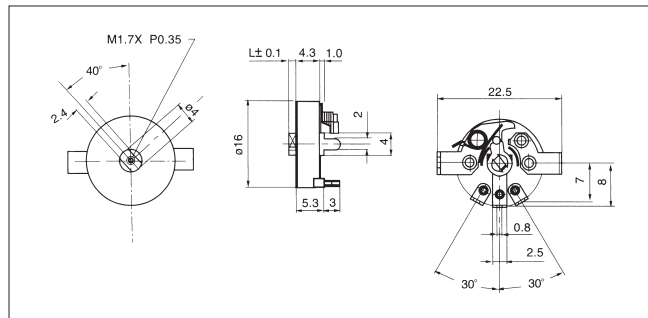
F-16SPD1

Reverse Type with Switch,
Single Unit



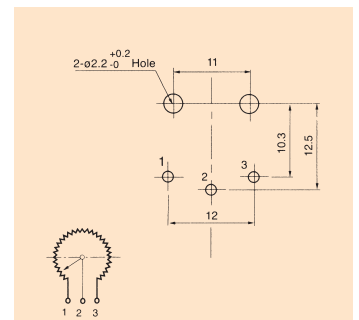
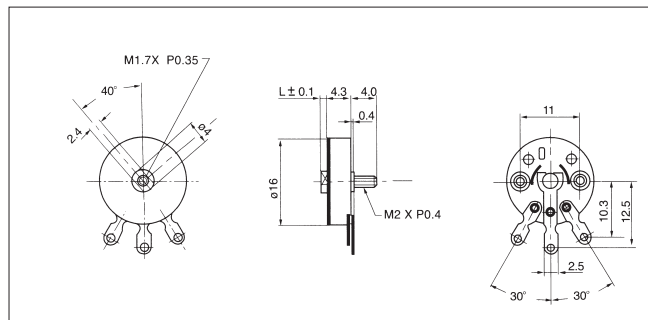
F-16SPT

Horizontal Type with Switch,
Single Unit



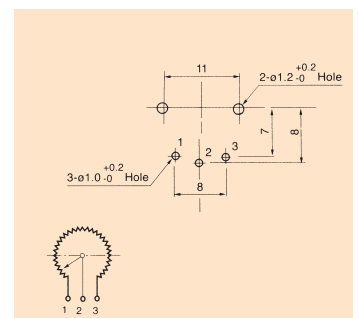
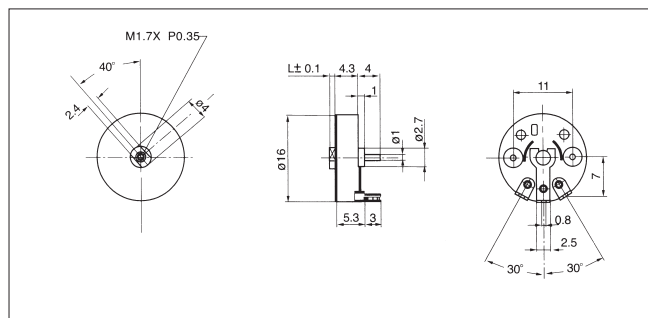
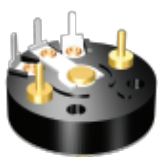
F-16NPG

Horizontal Type, Single Unit



F-16NPG1

Horizontal Type, Single Unit





Part number system of mold case potentiometer

