

## 24mm Rotary Type with Rotary Switch

### Application

TV/Video, Audio, Home appliance, Industrial control

### Feature

- ✓ Suitable for various control



### ■Specification

|                                       |                      |
|---------------------------------------|----------------------|
| Total Rotational Angle                | 300±5°               |
| Maximum Operating Voltage             | 500V AC              |
| Insulation Resistance                 | 100MΩ at DC500V      |
| Dielectric Strength                   | AC 500V for 1 minute |
| Rotational Torque                     | 20-200 gf.cm         |
| Rotational Stop Strength of the Shaft | 6 kgf.cm min         |
| Rotation Life                         | 15,000 cycles        |
| Switch Working Angle                  | 50° ±10°             |
| Switch Working Torque                 | 800 gf.cm max        |
| Switch Life                           | 10,000 cycles        |

### ■How to order

RV24A03F – 40 D2 – 25F – B500K

[Model](#)

#### Bushing Type

| Order Code | Description      |
|------------|------------------|
| D2         | 3/8"x0.75, 6.5mm |
| Blank      | M8x0.75, 6.5 mm  |

#### Taper and Resistance Value

| Order Code | Taper     | Resistance Value |
|------------|-----------|------------------|
| A100K      | Log/A     | 100KΩ            |
| B1M        | Linear/B  | 1MΩ              |
| C500K      | Rev-log/C | 500KΩ            |

Taper: A, B and C

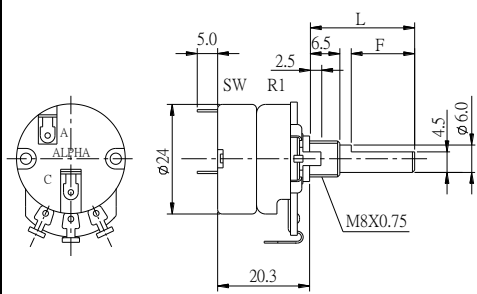
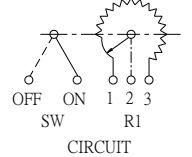
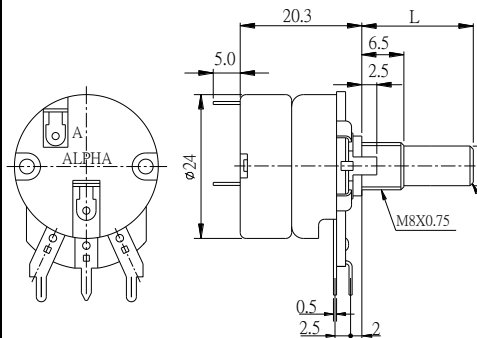
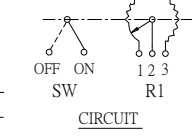
Resistance Value: 1KΩ to 500KΩ and 1MΩ

[Shaft Type](#)

## 24mm Rotary Type with Rotary Switch

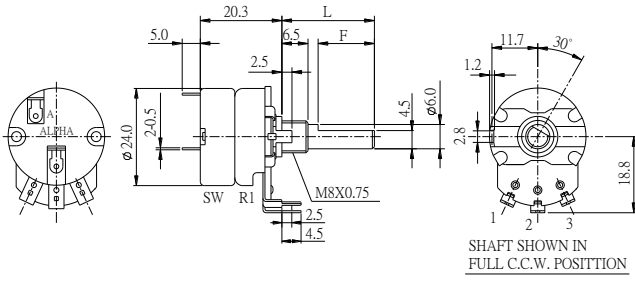
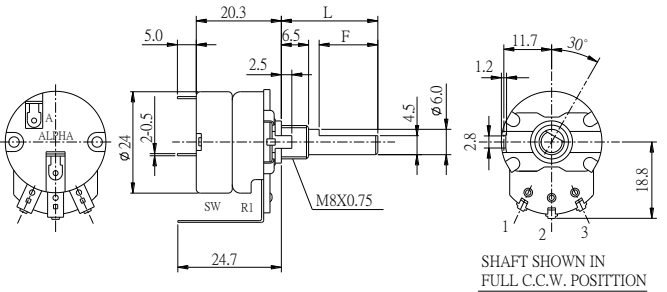
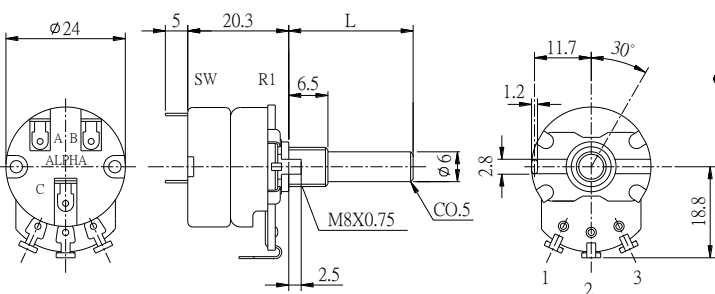
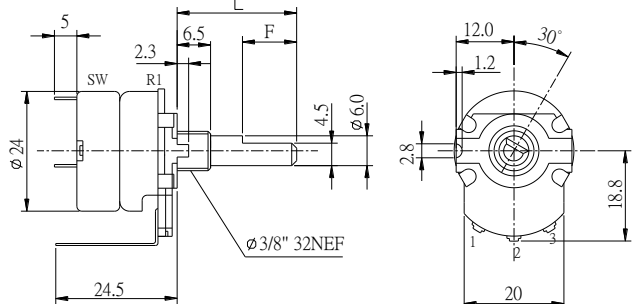
### Model Description

| Model                         | Number of Unit | Switch Function       | Terminal Type    | With Sleeve or Bushing | Rotational Angle |
|-------------------------------|----------------|-----------------------|------------------|------------------------|------------------|
| <a href="#">RV24A01F-10</a>   | Single unit    | S.P.S.T.<br>Rotary SW | Solder lug       | Metal bushing          | 300°±5°          |
| <a href="#">RV24A01F-22</a>   | Single unit    | S.P.S.T.<br>Rotary SW | Horizontal       | Metal bushing          | 300°±5°          |
| <a href="#">RV24A01F-30</a>   | Single unit    | S.P.S.T.<br>Rotary SW | Vertical (Front) | Metal bushing          | 300°±5°          |
| <a href="#">RV24A01F-40</a>   | Single unit    | S.P.S.T.<br>Rotary SW | Vertical         | Metal bushing          | 300°±5°          |
| <a href="#">RV24A02F-10</a>   | Single unit    | S.P.D.T.<br>Rotary SW | Solder lug       | Metal bushing          | 300°±5°          |
| <a href="#">RV24A03F-40D2</a> | Single unit    | S.P.S.T.<br>Rotary SW | Vertical         | Plastic bushing        | 300°±5°          |

| Order Code  | Outline Drawing                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RV24A01F-10 |   <p>SHAFT SHOWN IN FULL C.C.W POSITION.</p> <p>● 300° ROTATION MONO UNIT (SW ROTARY SWITCH)<br/>S.P.D.T. A.C 125V 1A</p>  |
| RV24A01F-22 |   <p>● 300° ROTATION MONO UNIT (SW ROTARY SWITCH)<br/>S.P.D.T. A.C 125V 1A</p>                                             |

[Back to top](#)

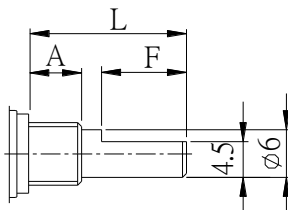
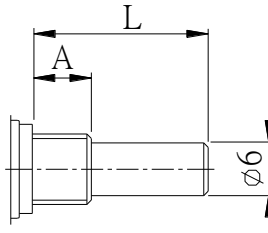
## 24mm Rotary Type with Rotary Switch

| Order Code    | Outline Drawing                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RV24A01F-30   |   <p>● 300° ROTATION<br/>MONO UNIT<br/>(SW ROTARY SWITCH)<br/>S.P.D.T. A.C 125V 1A</p> <p>OFF ON 1 2 3<br/>SW R1</p> <p>CIRCUIT</p> <p>11.7 30°<br/>1.2 2.8 18.8<br/>1 2 3<br/>SHAFT SHOWN IN<br/>FULL C.C.W. POSITION</p> <p>P.C.B MOUNTING HOLE DETAIL<br/>VIEWED FROM MOUNTING SIDE</p> |
| RV24A01F-40   |   <p>● 300° ROTATION<br/>MONO UNIT<br/>(SW ROTARY SWITCH)<br/>S.P.D.T. A.C 125V 1A</p> <p>OFF ON 1 2 3<br/>SW R1</p> <p>CIRCUIT</p> <p>11.7 30°<br/>1.2 2.8 18.8<br/>1 2 3<br/>SHAFT SHOWN IN<br/>FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING DETAIL<br/>VIEWED FROM MOUNTING SIDE</p>   |
| RV24A02F-10   |   <p>● 300° ROTATION<br/>MONO UNIT<br/>(SW ROTARY SWITCH)<br/>S.P.D.T. A.C 125V 1A</p> <p>OFF ON 1 2 3<br/>SW R1</p> <p>CIRCUIT</p> <p>11.7 30°<br/>1.2 2.8 18.8<br/>1 2 3<br/>SHAFT SHOWN IN<br/>FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING DETAIL<br/>VIEWED FROM MOUNTING SIDE</p> |
| RV24A03F-40D2 |   <p>● 300° ROTATION<br/>MONO UNIT WITH ROTARY SW<br/>S.P.S.T. AC 125V 1A</p> <p>OFF ON 1 2 3<br/>SW R1</p> <p>CIRCUIT</p> <p>12.0 30°<br/>1.2 2.8 18.8<br/>1 2 3<br/>SHAFT SHOWN IN<br/>FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING DETAIL<br/>(VIEWED FROM MOUNTING SIDE)</p>        |

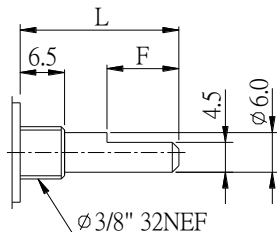
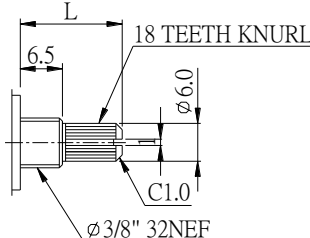
[Back to top](#)

## 24mm Rotary Type with Rotary Switch

### ■ Metal Shaft Type

| RV24A01F & RV24A02F                                                               |                                                                                                                                                       |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---|-----|----|-----|----|-----|----|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|-----|----|-----|----|-----|----|-----|----|
| F Type<br>A : 6.5mm                                                               |                                                                                                                                                       | R Type<br>A : 6.5mm |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
|  | <table><tr><th>Order Code</th><th>L</th></tr><tr><td>15F</td><td>15</td></tr><tr><td>20F</td><td>20</td></tr><tr><td>30F</td><td>30</td></tr></table> | Order Code          | L | 15F | 15 | 20F | 20 | 30F | 30 |  | <table><tr><th>Order Code</th><th>L</th></tr><tr><td>15R</td><td>15</td></tr><tr><td>20R</td><td>20</td></tr><tr><td>30R</td><td>30</td></tr><tr><td>40R</td><td>40</td></tr></table> | Order Code | L | 15R | 15 | 20R | 20 | 30R | 30 | 40R | 40 |
| Order Code                                                                        | L                                                                                                                                                     |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
| 15F                                                                               | 15                                                                                                                                                    |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
| 20F                                                                               | 20                                                                                                                                                    |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
| 30F                                                                               | 30                                                                                                                                                    |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
| Order Code                                                                        | L                                                                                                                                                     |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
| 15R                                                                               | 15                                                                                                                                                    |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
| 20R                                                                               | 20                                                                                                                                                    |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
| 30R                                                                               | 30                                                                                                                                                    |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |
| 40R                                                                               | 40                                                                                                                                                    |                     |   |     |    |     |    |     |    |                                                                                    |                                                                                                                                                                                       |            |   |     |    |     |    |     |    |     |    |

### ■ Plastic Shaft Type

| RV24A03F-40D2                                                                       |                                                                                       |            |   |     |    |                                                                                      |                                                                                       |            |   |     |    |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|---|-----|----|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|---|-----|----|
| F Type                                                                              |                                                                                       | B Type     |   |     |    |                                                                                      |                                                                                       |            |   |     |    |
| A : 6.5mm                                                                           |                                                                                       | A : 6.5mm  |   |     |    |                                                                                      |                                                                                       |            |   |     |    |
|  | <table><tr><th>Order Code</th><th>L</th></tr><tr><td>25F</td><td>25</td></tr></table> | Order Code | L | 25F | 25 |  | <table><tr><th>Order Code</th><th>L</th></tr><tr><td>16B</td><td>16</td></tr></table> | Order Code | L | 16B | 16 |
| Order Code                                                                          | L                                                                                     |            |   |     |    |                                                                                      |                                                                                       |            |   |     |    |
| 25F                                                                                 | 25                                                                                    |            |   |     |    |                                                                                      |                                                                                       |            |   |     |    |
| Order Code                                                                          | L                                                                                     |            |   |     |    |                                                                                      |                                                                                       |            |   |     |    |
| 16B                                                                                 | 16                                                                                    |            |   |     |    |                                                                                      |                                                                                       |            |   |     |    |

Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.

[Back to top](#)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Alpha (Taiwan):

[RV24A02F-10-15S1-B53](#) [RV24A02F-10-15S1-B13](#) [RV24A02F-10-15S1-B1M](#) [RV24A02F-10-15S1-B10K](#) [RV24A02F-10-15S1-B500K](#) [RV24A02F-10-15S1-BF4](#) [RV24A02F-10-15S1-B54](#) [RV24A02F-10-15S1-BF5](#) [RV24A02F-10-15S1-B15](#) [RV24A01F-10-15R1-B25K](#) [RV24A02F-10-15S1-B5K](#) [RV24A02F-10-15S1-B500K-LA](#) [RV24A01F-10-15R1-A1M-3LA](#) [RV24A01F-10-15R1-A5K-3LA](#) [RV24A01F-10-15R1-B1M-3LA](#) [RV24A02F-10-15S1-B50K-LA](#) [RV24A01F-10-15R1-A50K-3LA](#) [RV24A02F-10-15S1-B250K-LA](#) [RV24A01F-10-15R1-A500K-3LA](#) [RV24A01F-10-15R1-B500K-3LA](#) [RV24A01F-10-15R1-A10K-3LA](#) [RV24A01F-10-15R1-B2.5K-3LA](#) [RV24A01F-10-15R1-B250K-3LA](#) [RV24A01F-10-15R1-B5K-3LA](#) [RV24A01F-10-15R1-A100K-3LA](#) [RV24A02F-10-15S1-B1M-LA](#) [RV24A01F-10-15R1-B10K-3LA](#) [RV24A02F-10-15S1-B25K-LA](#) [RV24A02F-10-15S1-B10K-LA](#) [RV24A01F-10-15R1-B1K-3LA](#) [RV24A01F-10-15R1-B25K-3LA](#) [RV24A02F-10-15S1-B1K-LA](#) [RV24A01F-10-15R1-B100K-3LA](#) [RV24A01F-10-15R1-B500O-3LA](#) [RV24A02F-10-15S1-B5K-LA](#) [RV24A02F-10-15S1-B100K-LA](#) [RV24A01F-10-15R1-B50K-3LA](#) [RV24A01F-10-15R1-B500\\_-3LA](#) [RV24A01F-10-15R1-B500ohm-3LA](#)