

## 24mm Rotary Type, Metal Shaft Series

### Application

TV/Video, Audio, Home appliance, Industrial control

### Feature

- ✓ Suitable for various applications



### ■Specification

|                                       |                      |
|---------------------------------------|----------------------|
| Total Rotational Angle                | 300±5°               |
| Maximum Operating Voltage             | 250V 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 | 6kgf for 60 sec      |
| Rotation Life                         | 15,000 cycles        |

### ■How to order

RV24AF – 10 D2 – 15F – A50K

[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

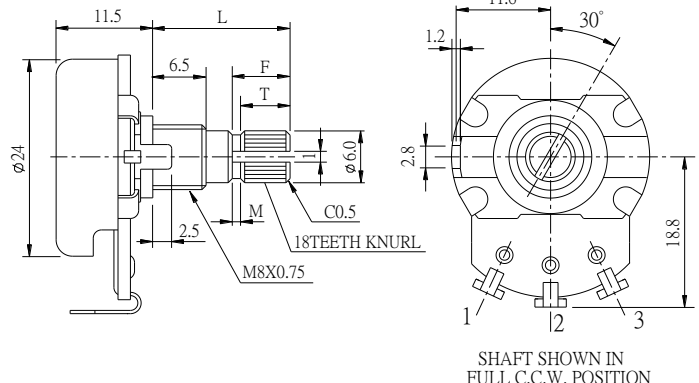
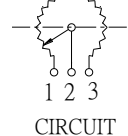
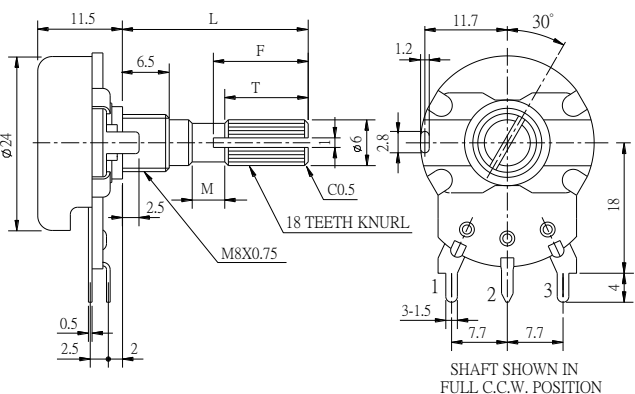
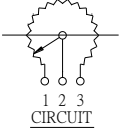
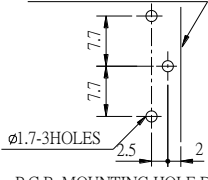
\*Contact us for other requirements.

[Metal Shaft Type](#)

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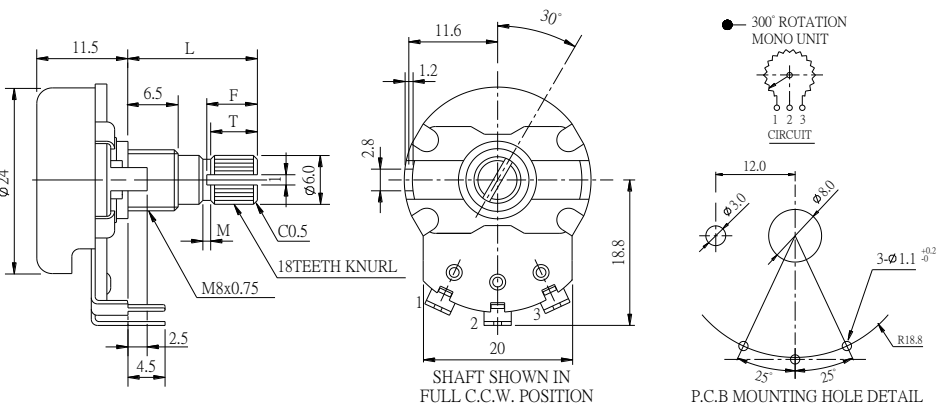
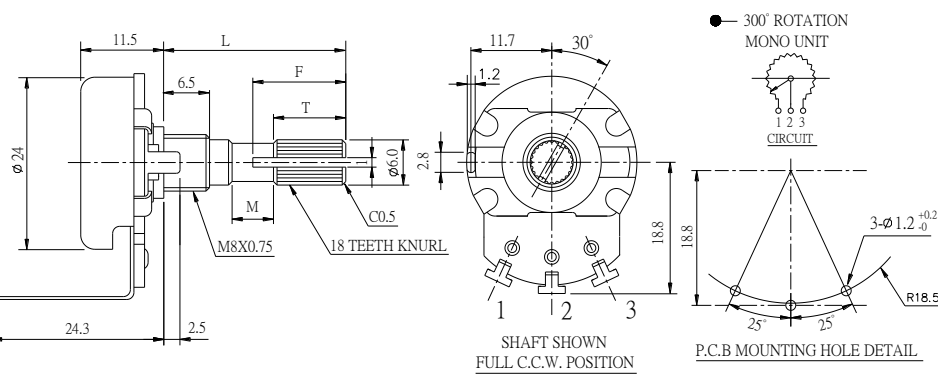
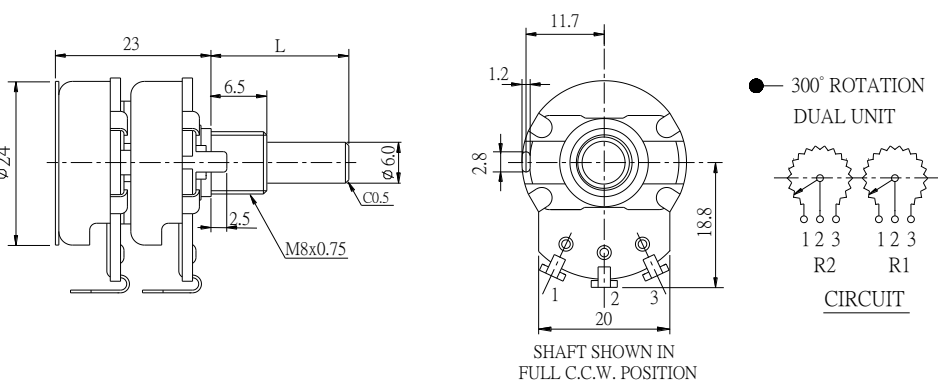
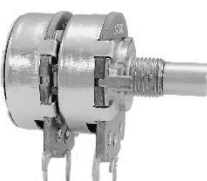
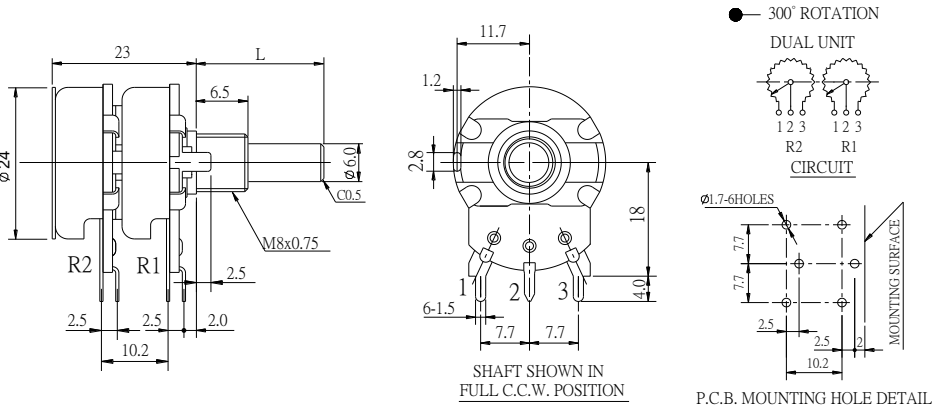
### ■Model Description

| Model                     | Number of Unit | Switch Function | Terminal Type    | With Sleeve or Bushing | Rotational Angle |
|---------------------------|----------------|-----------------|------------------|------------------------|------------------|
| <a href="#">RV24AF-10</a> | Single unit    | N/A             | Solder lug       | Metal bushing          | 300°±5°          |
| <a href="#">RV24AF-22</a> | Single unit    | N/A             | Horizontal       | Metal bushing          | 300°±5°          |
| <a href="#">RV24AF-30</a> | Single unit    | N/A             | Vertical (Front) | Metal bushing          | 300°±5°          |
| <a href="#">RV24AF-40</a> | Single unit    | N/A             | Vertical         | Metal bushing          | 300°±5°          |
| <a href="#">RV24BF-10</a> | Dual unit      | N/A             | Solder lug       | Metal bushing          | 300°±5°          |
| <a href="#">RV24BF-22</a> | Dual unit      | N/A             | Horizontal       | Metal bushing          | 300°±5°          |

| Order Code | Outline Drawing                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RV24AF-10  |   <p>● 300° ROTATION MONO UNIT</p>  <p>CIRCUIT</p>                                                                                                                                                   |
| RV24AF-22  |   <p>● 300° ROTATION MONO UNIT</p>  <p>CIRCUIT</p> <p>MOUNTING SURFACE</p>  <p>P.C.B. MOUNTING HOLE DETAIL</p> |

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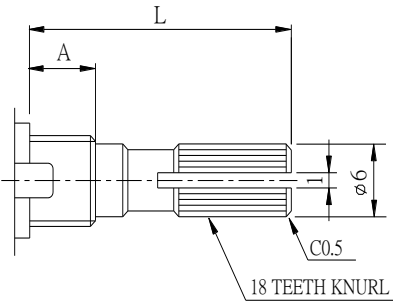
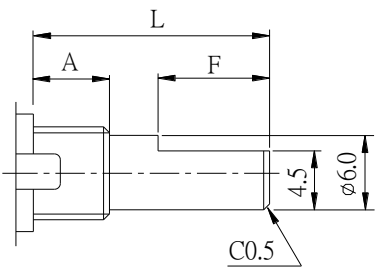
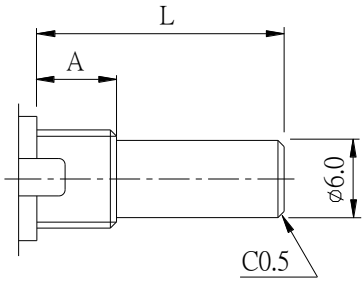
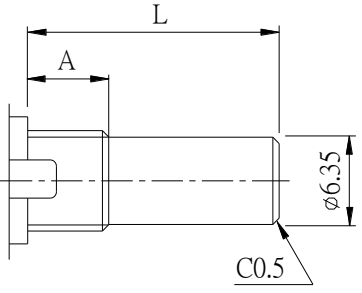
## 24mm Rotary Type, Metal Shaft Series

| Order Code                                                                                           | Outline Drawing                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RV24AF-30</b>    |  <p>RV24AF-30 drawing details: Side view shows dimensions 11.5, 6.5, L, F, T, M, C0.5, 18 TEETH KNURL, M8x0.75, 2.5, 4.5, and 24mm diameter. Front view shows 11.6, 1.2, 30°, 2.8, 18.8, 20, and 3 terminals. Mounting detail shows 12.0, 25°, 25°, 3-φ1.1, R18.8, and 300° ROTATION MONO UNIT circuit.</p>                     |
| <b>RV24AF-40</b>   |  <p>RV24AF-40 drawing details: Side view shows dimensions 11.5, 6.5, L, F, T, M, C0.5, 18 TEETH KNURL, M8x0.75, 2.5, 24.3, and 24mm diameter. Front view shows 11.7, 1.2, 30°, 2.8, 18.8, 20, and 3 terminals. Mounting detail shows 18.8, 25°, 25°, 3-φ1.2<sup>+0.2/-0</sup>, R18.5, and 300° ROTATION MONO UNIT circuit.</p> |
| <b>RV24BF-10</b>  |  <p>RV24BF-10 drawing details: Side view shows dimensions 23, 6.5, L, 2.5, C0.5, M8x0.75, and 24mm diameter. Front view shows 11.7, 1.2, 2.8, 18.8, 20, and 3 terminals. Mounting detail shows 18.8, 20, 3 terminals, and 300° ROTATION DUAL UNIT circuit.</p>                                                                |
| <b>RV24BF-22</b>  |  <p>RV24BF-22 drawing details: Side view shows dimensions 23, 6.5, L, 2.5, C0.5, M8x0.75, R2, R1, 2.5, 10.2, and 24mm diameter. Front view shows 11.7, 1.2, 2.8, 18, 4.0, 6-1.5, 7.7, 7.7, and 3 terminals. Mounting detail shows 10.2, 7.7, 7.7, 2.5, 2.5, 2, 10.2, 2, and 300° ROTATION DUAL UNIT circuit.</p>              |

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## 24mm Rotary Type, Metal Shaft Series

### ■ Metal Shaft Type

| <p><b>K Type</b></p>                                                                                                                                                                                        | <p><b>F Type</b></p>     |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---|-----|----|-----|----|-----|----|-----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|------|----|------|----|------|----|------|----|
| <p>A : 6.5mm</p> <table border="1" data-bbox="311 779 561 1025"> <thead> <tr> <th>Order Code</th><th>L</th></tr> </thead> <tbody> <tr> <td>15K</td><td>15</td></tr> <tr> <td>20K</td><td>20</td></tr> <tr> <td>25K</td><td>25</td></tr> <tr> <td>30K</td><td>30</td></tr> </tbody> </table>  | Order Code                                                                                                  | L | 15K | 15 | 20K | 20 | 25K | 25 | 30K | 30 | <p>A : 6.5mm</p> <table border="1" data-bbox="1050 779 1300 1025"> <thead> <tr> <th>Order Code</th><th>L</th></tr> </thead> <tbody> <tr> <td>15F</td><td>15</td></tr> <tr> <td>20F</td><td>20</td></tr> <tr> <td>25F</td><td>25</td></tr> <tr> <td>30F</td><td>30</td></tr> </tbody> </table>      | Order Code | L | 15F  | 15 | 20F  | 20 | 25F  | 25 | 30F  | 30 |
| Order Code                                                                                                                                                                                                                                                                                   | L                                                                                                           |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 15K                                                                                                                                                                                                                                                                                          | 15                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 20K                                                                                                                                                                                                                                                                                          | 20                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 25K                                                                                                                                                                                                                                                                                          | 25                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 30K                                                                                                                                                                                                                                                                                          | 30                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| Order Code                                                                                                                                                                                                                                                                                   | L                                                                                                           |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 15F                                                                                                                                                                                                                                                                                          | 15                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 20F                                                                                                                                                                                                                                                                                          | 20                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 25F                                                                                                                                                                                                                                                                                          | 25                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 30F                                                                                                                                                                                                                                                                                          | 30                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| <p><b>R Type</b></p>                                                                                                                                                                                      | <p><b>R1 Type</b></p>  |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| <p>A : 6.5mm</p> <table border="1" data-bbox="311 1512 561 1758"> <thead> <tr> <th>Order Code</th><th>L</th></tr> </thead> <tbody> <tr> <td>15R</td><td>15</td></tr> <tr> <td>20R</td><td>20</td></tr> <tr> <td>25R</td><td>25</td></tr> <tr> <td>30R</td><td>30</td></tr> </tbody> </table> | Order Code                                                                                                  | L | 15R | 15 | 20R | 20 | 25R | 25 | 30R | 30 | <p>A : 6.5mm</p> <table border="1" data-bbox="1050 1512 1300 1758"> <thead> <tr> <th>Order Code</th><th>L</th></tr> </thead> <tbody> <tr> <td>15R1</td><td>15</td></tr> <tr> <td>20R1</td><td>20</td></tr> <tr> <td>25R1</td><td>25</td></tr> <tr> <td>30R1</td><td>30</td></tr> </tbody> </table> | Order Code | L | 15R1 | 15 | 20R1 | 20 | 25R1 | 25 | 30R1 | 30 |
| Order Code                                                                                                                                                                                                                                                                                   | L                                                                                                           |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 15R                                                                                                                                                                                                                                                                                          | 15                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 20R                                                                                                                                                                                                                                                                                          | 20                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 25R                                                                                                                                                                                                                                                                                          | 25                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 30R                                                                                                                                                                                                                                                                                          | 30                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| Order Code                                                                                                                                                                                                                                                                                   | L                                                                                                           |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 15R1                                                                                                                                                                                                                                                                                         | 15                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 20R1                                                                                                                                                                                                                                                                                         | 20                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 25R1                                                                                                                                                                                                                                                                                         | 25                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |
| 30R1                                                                                                                                                                                                                                                                                         | 30                                                                                                          |   |     |    |     |    |     |    |     |    |                                                                                                                                                                                                                                                                                                    |            |   |      |    |      |    |      |    |      |    |

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# Mouser Electronics

Authorized Distributor

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