

## 16mm Rotary Type, Metal Shaft Series

### Application

- ✓ TV/Video, Audio, Musical instruments, Industrial control

### Feature

- ✓ Suitable for various applications



### ■ Specification

|                                       |                      |
|---------------------------------------|----------------------|
| Total Rotational Angle                | 300±5°               |
| Maximum Operating Voltage             | 150V AC              |
| Insulation Resistance                 | 100MΩ at DC500V      |
| Dielectric Strength                   | AC 500V for 1 minute |
| Rotational Torque                     | 20-200 gf.cm         |
| Click Torque                          | 30-250 gf.cm         |
| Rotational Stop Strength of the Shaft | 6 kgf.cm min         |
| Push/Pull Strength of the Shaft       | 8 kgf for 3 sec      |
| Rotation Life                         | 15,000 cycles        |

### ■ How to order

**RV16A01F – 10 B1 – 15K – B50K – 3C**

[Model](#)

#### Bushing Type

| Order Code | φ               | Order Code | Length |
|------------|-----------------|------------|--------|
| A          | M6x0.75         | 1          | 5.0 mm |
| B          | M7x0.75         | 2          | 6.5 mm |
| C          | M8x0.75         | 3          | 7.0 mm |
| D          | M3/8x0.75       | 4          | 8.0 mm |
| Blank      | M7x0.75, 6.5 mm |            |        |

[Metal Shaft Type](#)

#### Click

| Order code     | Description                         |
|----------------|-------------------------------------|
| 3              | No click                            |
| 3C, 3D, 3E, 3F | Center click ,<br>11, 21, 41 clicks |

#### 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.

## 16mm Rotary Type, Metal Shaft Series

### ■ Model Description

| Model                       | Number of Unit         | Switch Function | Terminal Type    | With Sleeve or Bushing | Rotational Angle |
|-----------------------------|------------------------|-----------------|------------------|------------------------|------------------|
| <a href="#">RV16AF-10</a>   | Single unit            | N/A             | Solder lug       | Metal bushing          | 300°±5°          |
| <a href="#">RV16AF-20</a>   | Single unit            | N/A             | Horizontal       | Metal bushing          | 300°±5°          |
| <a href="#">RV16AF-30</a>   | Single unit            | N/A             | Vertical (Front) | Metal bushing          | 300°±5°          |
| <a href="#">RV16AF-41</a>   | Single unit            | N/A             | Vertical         | Metal bushing          | 300°±5°          |
| <a href="#">RV16ARF-20</a>  | Single unit with tap   | N/A             | Horizontal       | Metal bushing          | 300°±5°          |
| <a href="#">RV16A01F-10</a> | Dual unit              | N/A             | Solder lug       | Metal bushing          | 300°±5°          |
| <a href="#">RV16A01F-20</a> | Dual unit              | N/A             | Horizontal       | Metal bushing          | 300°±5°          |
| <a href="#">RV16A01F-30</a> | Dual unit              | N/A             | Vertical (Front) | Metal bushing          | 300°±5°          |
| <a href="#">RV16A01F-41</a> | Dual unit              | N/A             | Vertical         | Metal bushing          | 300°±5°          |
| <a href="#">RV16AEF-20</a>  | Dual unit with bracket | N/A             | Horizontal       | Metal bushing          | 300°±5°          |
| <a href="#">RV16AE1F-20</a> | Dual unit with bracket | N/A             | Horizontal       | Metal bushing          | 300°±5°          |
| <a href="#">RV16AD1F-41</a> | Dual unit with bracket | N/A             | Vertical         | Metal bushing          | 300°±5°          |

| Order Code | Outline Drawing  |
|------------|--|
| RV16AF-10  |   |

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## 16mm Rotary Type, Metal Shaft Series

| Order Code  | Outline Drawing   |
|---|---|
| <p>RV16AF-20</p>     |  <p>Technical drawing of RV16AF-20 potentiometer. Side view shows dimensions: 9.1, 6.5, L, F, 4.5, <math>\phi 6</math>, C0.5, <math>\phi 16.5</math>, 3-0.5, 3.8, M7X0.75. Front view shows: FULL C.C.W. POSITION, <math>\phi 17</math>, 7.8, 30°, 1.2, 2.8, 12.5, 3-1.0, 5, 5. PCB MOUNTING HOLE DETAIL shows 3-<math>\phi 1.2^{+0.2}</math> holes, 3.8, 5, 5, 5, MOUNTING SURFACE. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.</p>                                      |
| <p>RV16AF-30</p>    |  <p>Technical drawing of RV16AF-30 potentiometer. Side view shows dimensions: 9.1, 6.5, L, F, 4.5, <math>\phi 6</math>, C0.5, <math>\phi 16.5</math>, 3.5, 0.5, M7X0.75. Front view shows: FULL C.C.W. POSITION, <math>\phi 17</math>, 7.8, 30°, 1.2, 2.8, 10.9, 5, 5. PCB MOUNTING HOLE DETAIL shows 3-<math>\phi 1.2^{+0.2}</math> holes, 7.8, <math>\phi 7.5^{+0.2}</math>, 10.9, 5, 5, 5, MOUNTING SURFACE. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.</p>          |
| <p>RV16AF-41</p>   |  <p>Technical drawing of RV16AF-41 potentiometer. Side view shows dimensions: 9.1, 6.5, L, F, 4.5, <math>\phi 6.0</math>, C0.5, <math>\phi 16.5</math>, 16, 0.5, 5, 10.7, M7X0.75. Front view shows: FULL C.C.W. POSITION, <math>\phi 17</math>, 7.8, 30°, 1.2, 2.8, 5, 5. PCB MOUNTING HOLE DETAIL shows 3-<math>\phi 1.2^{+0.2}</math> holes, 7.8, <math>\phi 7.5^{+0.2}</math>, 16, 5, 5, 5, MOUNTING SURFACE. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.</p>       |
| <p>RV16ARF-20</p>  |  <p>Technical drawing of RV16ARF-20 potentiometer. Side view shows dimensions: 9.1, 6.5, L, F, 4.5, <math>\phi 6</math>, C0.5, <math>\phi 16.5</math>, 0.5, 12.0, 3.8, M7X0.75. Front view shows: FULL C.C.W. POSITION, 8.5, 12.5, <math>\phi 17</math>, 7.8, 30°, 1.2, 2.8, 8.5, 12.5, 1.0, 5, 5, 5, 3.5, 3.5. PCB MOUNTING HOLE DETAIL shows 4-<math>\phi 1.2^{+0.2}</math> holes, 3.8, 5, 5, 5, 5, MOUNTING SURFACE. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.</p> |

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## 16mm Rotary Type, Metal Shaft Series

### ■ Metal Shaft Type

| K Type   |  |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
|--|--|--|------------|------------|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|----|--|--|------------|---|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|----|---|---|------------|---|-----|-----|----|
|    | A : 5mm  | A : 6.5mm  | A : 8mm    |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
|  |  | <table border="1"> <thead> <tr> <th>Order Code</th> <th>L</th> <th>T</th> </tr> </thead> <tbody> <tr> <td>10K</td> <td>10</td> <td>3.2</td> </tr> <tr> <td>15K</td> <td>15</td> <td>6</td> </tr> <tr> <td>20K</td> <td>20</td> <td>10</td> </tr> <tr> <td>25K</td> <td>25</td> <td>12</td> </tr> </tbody> </table> | Order Code | L          | T   | 10K | 10 | 3.2 | 15K | 15  | 6   | 20K | 20 | 10  | 25K | 25 | 12   | <table border="1"> <thead> <tr> <th>Order Code</th> <th>L</th> <th>T</th> </tr> </thead> <tbody> <tr> <td>10K</td> <td>10</td> <td>2.2</td> </tr> <tr> <td>15K</td> <td>15</td> <td>6</td> </tr> <tr> <td>20K</td> <td>20</td> <td>10</td> </tr> <tr> <td>25K</td> <td>25</td> <td>12</td> </tr> </tbody> </table> | Order Code | L | T   | 10K | 10  | 2.2 | 15K | 15 | 6   | 20K | 20 | 10  | 25K | 25 | 12  | <table border="1"> <thead> <tr> <th>Order Code</th> <th>L</th> <th>T</th> </tr> </thead> <tbody> <tr> <td>20K</td> <td>20</td> <td>7</td> </tr> </tbody> </table> | Order Code | L | T   | 20K | 20 |
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| 10K  | 10   | 3.2  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 15K  | 15   | 6  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 20K  | 20   | 10   |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 25K  | 25   | 12   |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| Order Code   | L  | T  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 10K  | 10   | 2.2  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 15K  | 15   | 6  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 20K  | 20   | 10   |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 25K  | 25   | 12   |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| Order Code   | L  | T  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 20K  | 20   | 7  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| F Type   |  |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
|   | A : 5mm  | A : 6.5mm  | A : 8mm    |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
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| 10F  | 10   | 4  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 15F  | 15   | 7  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 20F  | 20   | 12   |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 25F  | 25   | 14   |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| Order Code   | L  | F  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 10F  | 10   | 2.5  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 15F  | 15   | 7  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 20F  | 20   | 12   |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 25F  | 25   | 14   |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| Order Code   | L  | F  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 20F  | 20   | 7  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| R Type   |  |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
|  | A : 5 mm, 6.5 mm, 8 mm   |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
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| Order Code   | L  |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 10R  | 10   |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 15R  | 15   |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 20R  | 20   |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |
| 25R  | 25   |  |            |            |     |     |    |     |     |     |     |     |    |     |     |    |  |  |            |   |     |     |     |     |     |    |     |     |    |     |     |    |   |   |            |   |     |     |    |

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## Alpha (Taiwan):

[RV16AF-10-15R1-B10K](#) [RV16AF-10-20R1-A1K](#) [RV16AF-10-20R1-A500K](#) [RV16AF-10-20R1-A100K](#) [RV16AF-10-20R1-A5K](#) [RV16AF-10-15R1-B100K](#) [RV16AF-10-20R1-A1M](#) [RV16AF-10-15R1-B20K](#) [RV16AF-10-15R1-B25K](#) [RV16AF-10-20R1-A50K](#) [RV16AF-10-20R1-B500K](#) [RV16AF-10-15R1-B50K](#) [RV16AF-10-15R1-B250K](#) [RV16AF-10-15R1-B1M](#) [RV16AF-10-15R1-B1K](#) [RV16AF-10-15R1-B5K](#) [RV16AF-10-15R1-B2K](#) [RV16AF-10-20R1-A2K](#) [RV16AF-10-20R1-B10K](#) [RV16AF-10-20R1-B50K](#) [RV16AF-10-15R1-B500K](#) [RV16AF-10-20R1-B1K](#) [RV16AF-10-20R1-A10K](#) [RV16AF-10-20R1-B5K](#) [RV16AF-10-20R1-B100K](#) [RV16AF-10-20R1-B1M](#) [RV16AF-10-20R1-B23](#) [RV16AF-42-15R1-B100K](#) [RV16AF-20-15K-C250K](#) [RV16AF-20-15S1-C500K](#) [RV16AF-20-15S1-C25K](#) [RV16AF-20-15K-C2K](#) [RV16AF-20-15K-C500K](#) [RV16AF-20-15S1-C1K](#) [RV16AF-20-15S1-C10K](#) [RV16AF-20-15S1-C1M](#) [RV16AF-20-15S1-C5K](#) [RV16AF-20-15S1-C2K](#) [RV16AF-20-15K-C1K](#) [RV16AF-20-15K-C10K](#) [RV16AF-20-15S1-C100K](#) [RV16AF-20-15S1-C50K](#) [RV16AF-20-15K-C1M](#) [RV16AF-20-15K-C5K](#) [RV16AF-20-15K-C50K](#) [RV16AF-20-15K-C25K](#) [RV16AF-20-15K-C100K](#) [RV16AF-20-15S1-C250K](#) [RV16AF-10-15K-C100K-3](#) [RV16AF-10-15K-C10K-3](#) [RV16AF-10-15K-C1K-3](#) [RV16AF-10-15K-C1M-3](#) [RV16AF-10-15K-C250K-3](#) [RV16AF-10-15K-C25K-3](#) [RV16AF-10-15K-C2K-3](#) [RV16AF-10-15K-C500K-3](#) [RV16AF-10-15K-C50K-3](#) [RV16AF-10-15K-C5K-3](#) [RV16AF-10-15S1-C100K](#) [RV16AF-10-15S1-C10K](#) [RV16AF-10-15S1-C250K](#) [RV16AF-10-15S1-C25K](#) [RV16AF-10-15S1-C2K](#) [RV16AF-10-15S1-C50K](#) [RV16AF-10-15S1-C5K](#) [RV16AF-10-15S1-C1K](#) [RV16AF-10-15S1-C1M](#) [RV16AF-10-15S1-C500K](#) [RV16AF-20-15K-A25K-3](#) [RV16AF-10-15S1-A100K](#) [RV16AF-20-15S1-A500K](#) [RV16AF-10-15S1-A50K](#) [RV16AF-10-15K-A10K-3](#) [RV16AF-10-15S1-A250K](#) [RV16AF-10-15S1-A5K](#) [RV16AF-20-15K-A50K-3](#) [RV16AF-10-15R1-A10K](#) [RV16AF-10-15S1-A1M](#) [RV16AF-20-15S1-A10K](#) [RV16AF-20-15K-A10K-3](#) [RV16AF-20-15K-A500K](#) [RV16AF-10-15S1-A1K](#) [RV16AF-10-15K-A100K-3](#) [RV16AF-20-15K-A5K](#) [RV16AF-10-15K-A500K-3](#) [RV16AF-10-15K-A250K-3](#) [RV16AF-20-15S1-A100K](#) [RV16AF-10-15K-A2K](#) [RV16AF-20CB-20K-A20K-LA](#) [RV16AF-20-15K-A2K](#) [RV16AF-10-15S1-A500K](#) [RV16AF-20-15S1-A2K](#) [RV16AF-20-15S1-A50K](#) [RV16AF-20-15S1-A1K](#) [RV16AF-10-15S1-A10K](#) [RV16AF-20-15S1-A25K](#) [RV16AF-10-15K-A1K](#) [RV16AF-20-15K-A100K-3](#) [RV16AF-20-15S1-A1M](#) [RV16AF-10-15S1-A25K](#)



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