

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 , 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 |
|-----------------------------|------------------------|-----------------|------------------|------------------------|------------------|
| RV16AF-10 | Single unit | N/A | Solder lug | Metal bushing | 300°±5° |
| RV16AF-20 | Single unit | N/A | Horizontal | Metal bushing | 300°±5° |
| RV16AF-30 | Single unit | N/A | Vertical (Front) | Metal bushing | 300°±5° |
| RV16AF-41 | Single unit | N/A | Vertical | Metal bushing | 300°±5° |
| RV16ARF-20 | Single unit with tap | N/A | Horizontal | Metal bushing | 300°±5° |
| RV16A01F-10 | Dual unit | N/A | Solder lug | Metal bushing | 300°±5° |
| RV16A01F-20 | Dual unit | N/A | Horizontal | Metal bushing | 300°±5° |
| RV16A01F-30 | Dual unit | N/A | Vertical (Front) | Metal bushing | 300°±5° |
| RV16A01F-41 | Dual unit | N/A | Vertical | Metal bushing | 300°±5° |
| RV16AEF-20 | Dual unit with bracket | N/A | Horizontal | Metal bushing | 300°±5° |
| RV16AE1F-20 | Dual unit with bracket | N/A | Horizontal | Metal bushing | 300°±5° |
| RV16AD1F-41 | 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. It includes a side view with dimensions: 9.1, 6.5, L, F, 4.5, $\phi 6$, C0.5, 3-0.5, 3.8, $\phi 16.5$, and M7X0.75. The front view shows a diameter of $\phi 17$, a 30-degree angle, 7.8, 1.2, 2.8, 12.5, 3-1.0, and 5. The PCB mounting hole detail shows a 300-degree rotation mono unit with a 123 circuit, 3 mounting holes with a diameter of $3-\phi 1.2^{+0.2}$, and a mounting surface distance of 3.8.</p> |
| <p>RV16AF-30</p>  |  <p>Technical drawing of RV16AF-30 potentiometer. It includes a side view with dimensions: 9.1, 6.5, L, F, 4.5, $\phi 6$, C0.5, 3.5, and $\phi 16.5$. The front view shows a diameter of $\phi 17$, a 30-degree angle, 7.8, 1.2, 2.8, 10.9, and 5. The PCB mounting hole detail shows a 300-degree rotation mono unit with a 123 circuit, 3 mounting holes with a diameter of $3-\phi 1.2^{+0.2}$, and a mounting surface distance of 10.9.</p> |
| <p>RV16AF-41</p>  |  <p>Technical drawing of RV16AF-41 potentiometer. It includes a side view with dimensions: 9.1, 6.5, L, F, 4.5, $\phi 6.0$, C0.5, 0.5, 16, 5, and 10.7. The front view shows a diameter of $\phi 17$, a 30-degree angle, 7.8, 1.2, 2.8, 16, and 5. The PCB mounting hole detail shows a 300-degree rotation mono unit with a 123 circuit, 3 mounting holes with a diameter of $3-\phi 1.2^{+0.2}$, and a mounting surface distance of 16.</p> |
| <p>RV16ARF-20</p>  |  <p>Technical drawing of RV16ARF-20 potentiometer. It includes a side view with dimensions: 9.1, 6.5, L, F, 4.5, $\phi 6$, C0.5, 0.5, 12.0, 3.8, and $\phi 16.5$. The front view shows a diameter of $\phi 17$, a 30-degree angle, 8.5, 12.5, 7.8, 1.2, 2.8, 8.5, 12.5, 1.0, 3.5, and 5. The PCB mounting hole detail shows a 300-degree rotation mono unit with a 123 circuit, 4 mounting holes with a diameter of $4-\phi 1.2^{+0.2}$, and a mounting surface distance of 3.8.</p> |

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POTENTIOMETERS



16mm Rotary Type, Metal Shaft Series

| Order Code | Outline Drawing |
|--|--|
| <p>RV16A01F-10</p>  |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>● 300° ROTATION DUAL UNIT</p>  <p>CIRCUIT</p> |
| <p>RV16A01F-20</p>  |  <p>FULL C.C.W. POSITION</p> <p>● 300° ROTATION DUAL UNIT</p>  <p>CIRCUIT</p>  <p>PCB MOUNTING HOLE DETAIL</p> |
| <p>RV16A01F-30</p>  |  <p>FULL C.C.W. POSITION</p> <p>● 300° ROTATION DUAL UNIT</p>  <p>CIRCUIT</p>  <p>PCB MOUNTING HOLE DETAIL</p> |
| <p>RV16A01F-41</p>  |  <p>FULL C.C.W. POSITION</p> <p>● 300° ROTATION DUAL UNIT</p>  <p>CIRCUIT</p>  <p>PCB MOUNTING HOLE DETAIL</p> |

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POTENTIOMETERS



16mm Rotary Type, Metal Shaft Series

| Order Code | Outline Drawing |
|--|--|
| <p>RV16AEF-20</p>  |  <p>● 300° ROTATION MONO UNIT</p> <p>CIRCUIT</p> <p>PCB MOUNTING HOLE DETAIL</p> |
| <p>RV16AE1F-20</p>  |  <p>● 300° ROTATION DUAL UNIT</p> <p>CIRCUIT</p> <p>PCB MOUNTING HOLE DETAIL</p> |
| <p>RV16AD1F-41</p>  |  <p>● 300° ROTATION DUAL UNIT</p> <p>CIRCUIT</p> <p>PCB MOUNTING HOLE DETAIL</p> |

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16mm Rotary Type, Metal Shaft Series

■ Metal Shaft Type

| K Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|------------|------------|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|----|--|--|------------|---|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|----|---|---|------------|---|-----|-----|----|
|  | A : 5mm | A : 6.5mm | A : 8mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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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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| 10R | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15R | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20R | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25R | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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.

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Mouser Electronics

Authorized Distributor

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

Alpha (Taiwan):

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Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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