

## 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.

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### ■ 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 dimensions: 9.1, 6.5, L, F, 4.5, <math>\phi 6</math>, C0.5, 3-0.5, 3.8, <math>\phi 16.5</math>, 2, M7X0.75. Front view dimensions: 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: 3-<math>\phi 1.2^{+0.2}_{-0}</math>, 3.8, MOUNTING SURFACE, PCB MOUNTING HOLE DETAIL. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.</p>
<p>RV16AF-30</p> 	 <p>Technical drawing of RV16AF-30 potentiometer. Side view dimensions: 9.1, 6.5, L, F, 4.5, <math>\phi 6</math>, C0.5, 3.5, 0.5, <math>\phi 16.5</math>, 2, M7X0.75. Front view dimensions: FULL C.C.W. POSITION, <math>\phi 17</math>, 7.8, 30°, 1.2, 2.8, 10.9, 5, 5. PCB mounting hole detail: 7.8, <math>\phi 7.5^{+0.2}_{-0}</math>, 10.9, <math>\phi 3.0^{+0.2}_{-0}</math>, 3-<math>\phi 1.2^{+0.2}_{-0}</math>, 5, 5. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.</p>
<p>RV16AF-41</p> 	 <p>Technical drawing of RV16AF-41 potentiometer. Side view dimensions: 9.1, 6.5, L, F, 4.5, <math>\phi 6.0</math>, C0.5, 16, 0.5, 5, 10.7, <math>\phi 16.5</math>, 2, M7X0.75. Front view dimensions: FULL C.C.W. POSITION, <math>\phi 17</math>, 7.8, 30°, 1.2, 2.8, 5, 5. PCB mounting hole detail: 7.8, <math>\phi 7.5^{+0.2}_{-0}</math>, 16, <math>\phi 3.0^{+0.2}_{-0}</math>, 3-<math>\phi 1.2^{+0.2}_{-0}</math>, 5, 5. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.</p>
<p>RV16ARF-20</p> 	 <p>Technical drawing of RV16ARF-20 potentiometer. Side view dimensions: 9.1, 6.5, L, F, 4.5, <math>\phi 6</math>, C0.5, 0.5, 3.8, <math>\phi 16.5</math>, 2, M7X0.75, 2.0. Front view dimensions: FULL C.C.W. POSITION, 8.5, 12.5, <math>\phi 17</math>, 7.8, 30°, 1.2, 2.8, 8.5, 12.5, 3.5, 1.0, 5, 5, 5. PCB mounting hole detail: 4-<math>\phi 1.2^{+0.2}_{-0}</math>, 3.8, MOUNTING SURFACE, PCB MOUNTING HOLE DETAIL. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.</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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## 16mm Rotary Type, Metal Shaft Series

Order Code	Outline Drawing
<p>RV16AEF-20</p> 	 <p>Technical drawing of RV16AEF-20 potentiometer. Dimensions include: 9.5, L, 6.5, F, 4.5, <math>\phi 6</math>, 16.5, 4.0, 7.5, 1.5, 1.9, M7X0.75, C0.5, 30°, 12.5, 3.5, 18.0, 18.5, 7.5, 3.9, 5.0, 18.0, 7.5, 3.9. PCB mounting hole detail shows 7-<math>\phi 1.2^{+0.02}_{-0}</math> holes. Circuit diagram shows 300° ROTATION MONO UNIT with terminals 1, 2, 3.</p>
<p>RV16AE1F-20</p> 	 <p>Technical drawing of RV16AE1F-20 potentiometer. Dimensions include: 12.0, L, 6.5, F, 4.5, <math>\phi 6</math>, 16.5, 4.0, 7.5, 2.0, 1.9, M7X0.75, C0.5, 30°, 12.5, 3.5, 18.0, 18.5, 6-1.0, 5.0, 5, 10-<math>\phi 1.2^{+0.02}_{-0}</math>, 7.5, 5.0, 3.9, 5.0, 18.0, 5.0, 3.9. PCB mounting hole detail shows 10-<math>\phi 1.2^{+0.02}_{-0}</math> holes. Circuit diagram shows 300° ROTATION DUAL UNIT with terminals 1, 2, 3, R2, R1.</p>
<p>RV16AD1F-41</p> 	 <p>Technical drawing of RV16AD1F-41 potentiometer. Dimensions include: 11.5, L, 6.5, F, 4.5, <math>\phi 6</math>, 11.0, 5.0, 10.7, 5.0, 4.4, 2.8, 0.5, M7X0.75, C0.5, 30°, 18, <math>\phi 17</math>, 7.8, 1.2, 16, 2.8, 15, 11.0, 5.0, 2-4.0, 2-2.5, 6-<math>\phi 1.2^{+0.02}_{-0}</math>, 5, 5. PCB mounting hole detail shows 6-<math>\phi 1.2^{+0.02}_{-0}</math> holes. Circuit diagram shows 300° ROTATION DUAL UNIT with terminals 1, 2, 3, R2, R1.</p>

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## 16mm Rotary Type, Metal Shaft Series

### ■ Metal Shaft Type

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# Mouser Electronics

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
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- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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