

## 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	   <p>● 300° ROTATION MONO UNIT 1 2 3 CIRCUIT</p>

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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>, 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 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>, 5, 5, 10.9, <math>\phi 7.5^{+0.2}</math>, 7.8, 30°, 1.2, 2.8, 10.9, 5, 5. 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>, 5, 5, 16, <math>\phi 7.5^{+0.2}</math>, 7.8, 30°, 1.2, 2.8, 16, 5, 5. 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, 12.5. PCB mounting hole detail shows: 4-<math>\phi 1.2^{+0.2}</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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# POTENTIOMETERS



## 16mm Rotary Type, Metal Shaft Series

Order Code	Outline Drawing
<p>RV16AEF-20</p> 	
<p>RV16AE1F-20</p> 	
<p>RV16AD1F-41</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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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

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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