

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

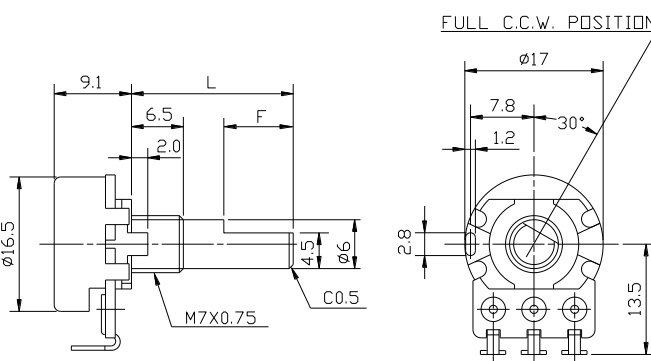
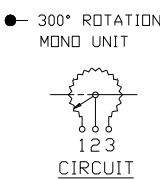
Resistance Value: 1KΩ to 500KΩ and 1MΩ

*Contact us for other requirements.

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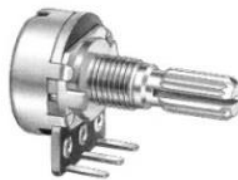
■Model Description

Model	Number of Unit	Switch Function	Terminal Type	With Sleeve or Bushing	Rotational Angle
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	  

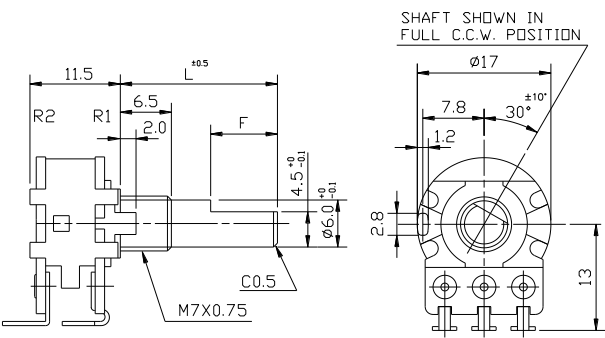
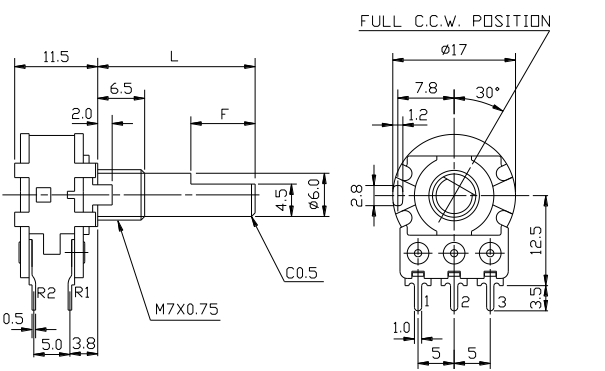
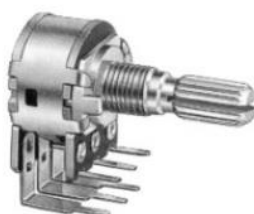
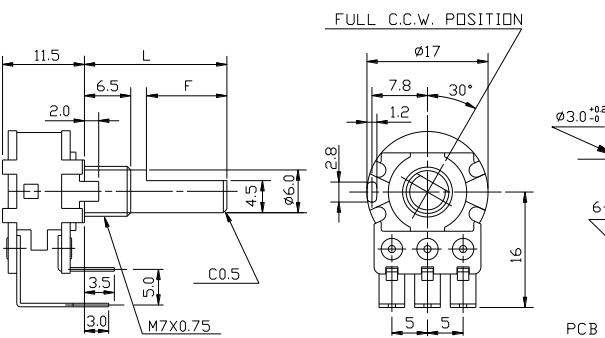
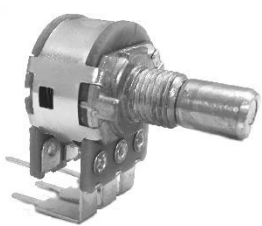
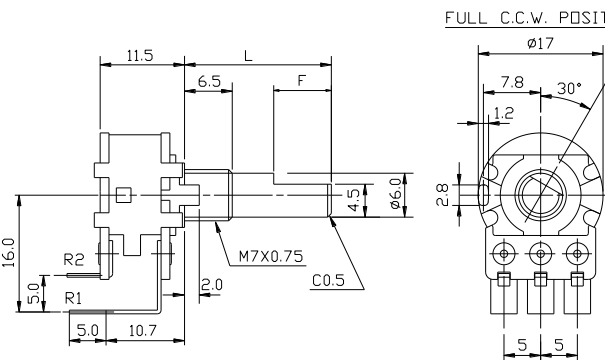
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Order Code	Outline Drawing
RV16AF-20	 Technical drawing for RV16AF-20 showing side and front views with dimensions. Side view dimensions: 9.1, 6.5, L, F, 2, 4.5, 3-0.5, 3.8, $\phi 16.5$, M7X0.75, C0.5, $\phi 6$. Front view dimensions: 2.8, 7.8, 1.2, 30°, 12.5, 3-1.0, 5, 5. Mounting hole detail shows 3-$\phi 1.2^{+0.2}_{-0}$ holes on a mounting surface. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.
RV16AF-30	 Technical drawing for RV16AF-30 showing side and front views with dimensions. Side view dimensions: 9.1, 6.5, L, F, 2, 4.5, 3.5, 0.5, $\phi 16.5$, M7X0.75, C0.5, $\phi 6$. Front view dimensions: 2.8, 7.8, 1.2, 30°, 10.9, 5, 5. Mounting hole detail shows 3-$\phi 1.2^{+0.2}_{-0}$ holes on a mounting surface. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.
RV16AF-41	 Technical drawing for RV16AF-41 showing side and front views with dimensions. Side view dimensions: 16, 0.5, 5, 10.7, 9.1, 6.5, L, F, 2, 4.5, $\phi 16.5$, M7X0.75, C0.5, $\phi 6.0$. Front view dimensions: 2.8, 7.8, 1.2, 30°, 5, 5. Mounting hole detail shows 3-$\phi 1.2^{+0.2}_{-0}$ holes on a mounting surface. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.
RV16ARF-20	 Technical drawing for RV16ARF-20 showing side and front views with dimensions. Side view dimensions: 9.1, 6.5, L, F, 2, 4.5, 0.5, 3.8, $\phi 16.5$, M7X0.75, C0.5, $\phi 6$. Front view dimensions: 2.8, 8.5, 12.5, 7.8, 1.2, 30°, 12.5, 8.5, 3.5, 1.0, 5, 5, 5. Mounting hole detail shows 4-$\phi 1.2^{+0.2}_{-0}$ holes on a mounting surface. Legend: 300° ROTATION MONO UNIT, 123 CIRCUIT.

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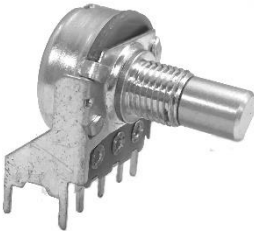
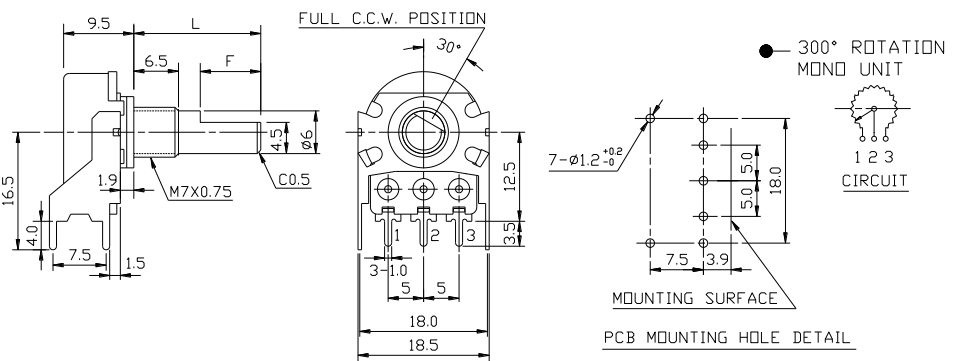
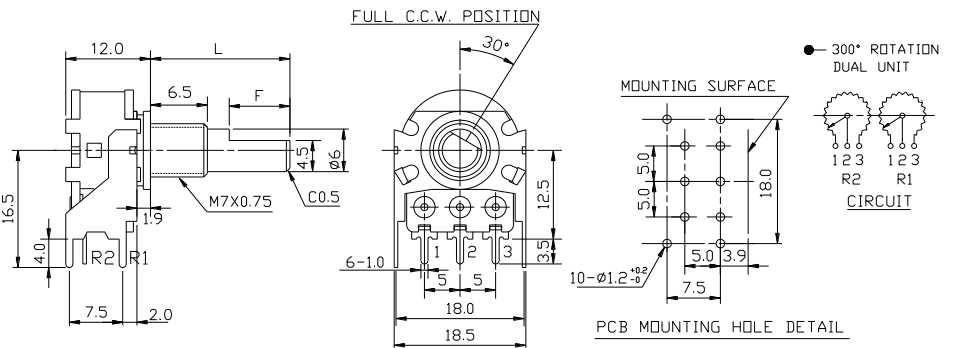
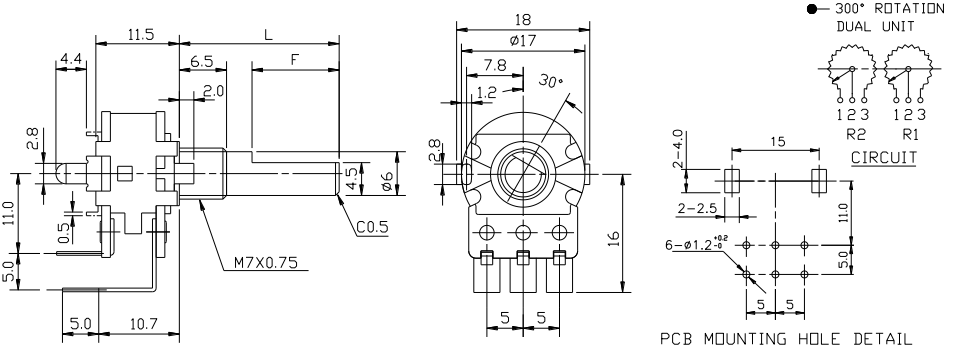
Order Code	Outline Drawing
RV16A01F-10	  SHAFT SHOWN IN FULL C.C.W. POSITION 300° ROTATION DUAL UNIT CIRCUIT
RV16A01F-20	  FULL C.C.W. POSITION 300° ROTATION DUAL UNIT CIRCUIT PCB MOUNTING HOLE DETAIL
RV16A01F-30	  FULL C.C.W. POSITION 300° ROTATION DUAL UNIT CIRCUIT PCB MOUNTING HOLE DETAIL
RV16A01F-41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

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POTENTIOMETERS



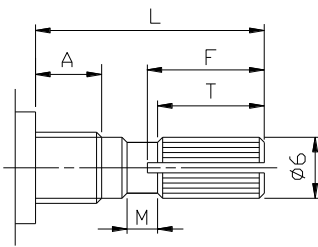
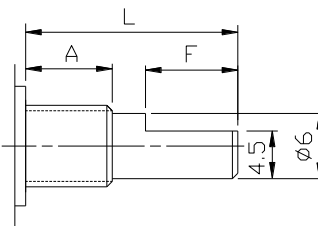
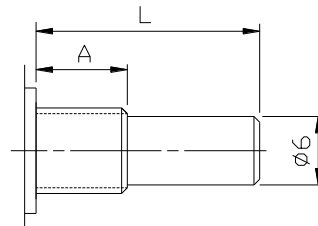
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Order Code	Outline Drawing
RV16AEF-20	  300° ROTATION MONO UNIT CIRCUIT: 1 2 3 PCB MOUNTING HOLE DETAIL
RV16AE1F-20	  300° ROTATION DUAL UNIT CIRCUIT: 1 2 3 1 2 3, R2 R1 PCB MOUNTING HOLE DETAIL
RV16AD1F-41	  300° ROTATION DUAL UNIT CIRCUIT: 1 2 3 1 2 3, R2 R1 PCB MOUNTING HOLE DETAIL

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■ Metal Shaft Type

K Type									
	A : 5mm			A : 6.5mm			A : 8mm		
	Order Code	L	T	Order Code	L	T	Order Code	L	T
	10K	10	3.2	10K	10	2.2	20K	20	7
	15K	15	6	15K	15	6			
	20K	20	10	20K	20	10			
	25K	25	12	25K	25	12			
F Type									
	A : 5mm			A : 6.5mm			A : 8mm		
	Order Code	L	F	Order Code	L	F	Order Code	L	F
	10F	10	4	10F	10	2.5	20F	20	7
	15F	15	7	15F	15	7			
	20F	20	12	20F	20	12			
	25F	25	14	25F	25	14			
R Type									
	A : 5 mm, 6.5 mm, 8 mm								
	Order Code	L							
	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

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

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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.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9