

## 9mm Single Metal Shaft, Multi-Ganged Series

### Application

- ✓ Audio, Home appliance, Automotive, Communication, and Others

### Feature

- ✓ Durable Structure with less wobble metal shaft



### ■Specification

Total Rotational Angle	300±5°
Maximum Operating Voltage	50V AC
Insulation Resistance	More than 100MΩ at 250V DC
Dielectric Strength	300V AC , 1 minute
Rotational Torque	20-250 gf.cm
Rotational Stop Strength of the Shaft	4 kgf.cm / Min.
Rotation Life	15,000 cycles

### ■How to order

RD901F-20 E1 – 15F - B10K – 00D

#### [Model](#)

EX. RD901F - Single unit  
RD902F - Dual units

#### Bushing Type

Order Code	Dimensions	
Blank	Ø7mm	5mm
B3	Ø7mm	7mm
B6	Ø7mm	10mm
E1	Ø9mm	5mm
E3	Ø9mm	7mm
E6	Ø9mm	10mm

#### [Shaft Type](#)

#### Bracket

Order Code	Description
Blank	Without Bracket
00D	With Bracket

#### 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.

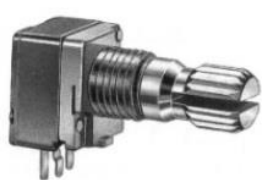
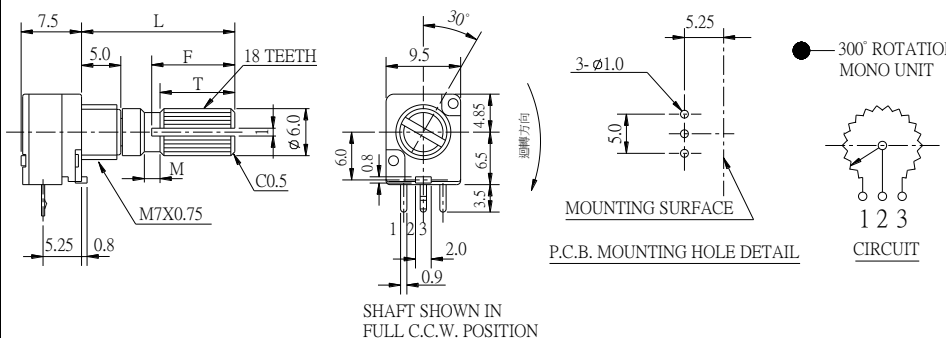
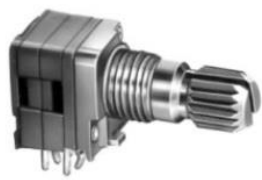
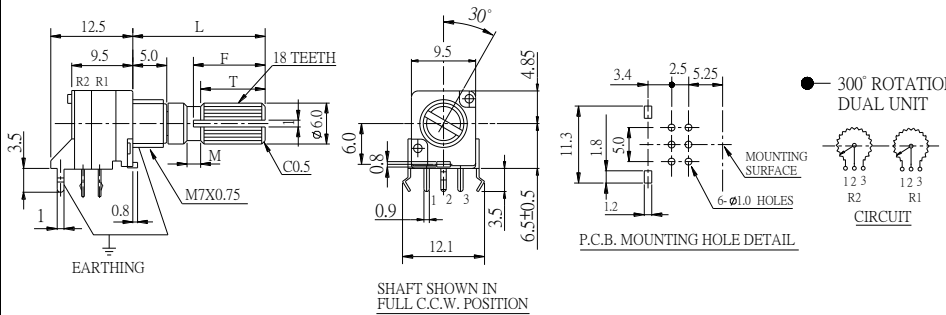

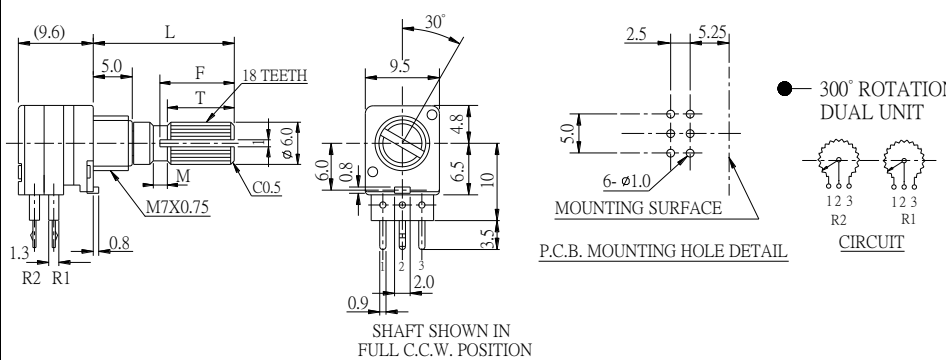
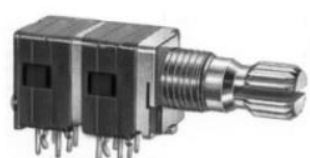
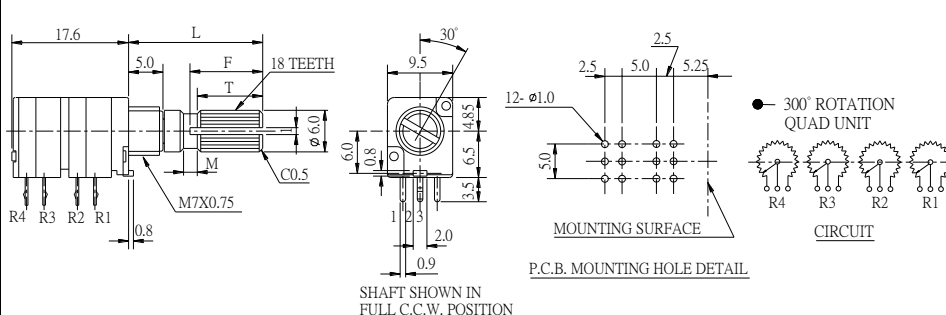
## 9mm Single Metal Shaft, Multi-Ganged Series

### ■Model Description

Model	Number of Unit	Terminal Type	With Switch	With Bracket
<a href="#">RD901F-20</a>	Single Unit	Horizontal	Without Switch	Without Bracket
<a href="#">RD902F-20</a>	Dual Units	Horizontal	Without Switch	Without Bracket
<a href="#">RD902F-22</a>	Dual Units	Horizontal	Without Switch	Without Bracket
<a href="#">RD904F-20</a>	Four Units	Horizontal	Without Switch	Without Bracket
<a href="#">RD902PF-20B6</a>	Dual Units	Horizontal	Without Switch	Without Bracket
<a href="#">RD901F-20E1-00D</a>	Single Unit	Horizontal	Without Switch	With Bracket
<a href="#">RD901F-30</a>	Single Unit	Vertical	Without Switch	Without Bracket
<a href="#">RD901F-40E1/E3/E6-00D</a>	Single Unit	Vertical	Without Switch	With Bracket
<a href="#">RD902F-20E1/E3/E6-00D</a>	Dual Units	Horizontal	Without Switch	With Bracket
<a href="#">RD901F-40-00D</a>	Single Unit	Vertical	Without Switch	With Bracket
<a href="#">RD902F-40-00D</a>	Dual Units	Vertical	Without Switch	With Bracket
<a href="#">RD901SF-20</a>	Single Unit	Horizontal	Rotary Switch (S.P.S.T)	Without Bracket
<a href="#">RD9010PF-20</a>	Single Unit	Horizontal	Push Switch (S.P.S.T)	Without Bracket
<a href="#">RD901B21F-20</a>	Single Unit	Horizontal	Push-Pull Switch (S.P.D.T)	Without Bracket
<a href="#">RD901B22F-20</a>	Single Unit	Horizontal	Push-Pull Switch (D.P.D.T)	Without Bracket
<a href="#">RD902B21F-20</a>	Dual Units	Horizontal	Push-Pull Switch (S.P.D.T)	Without Bracket
<a href="#">RD902B22F-20</a>	Dual Units	Horizontal	Push-Pull Switch (D.P.D.T)	Without Bracket


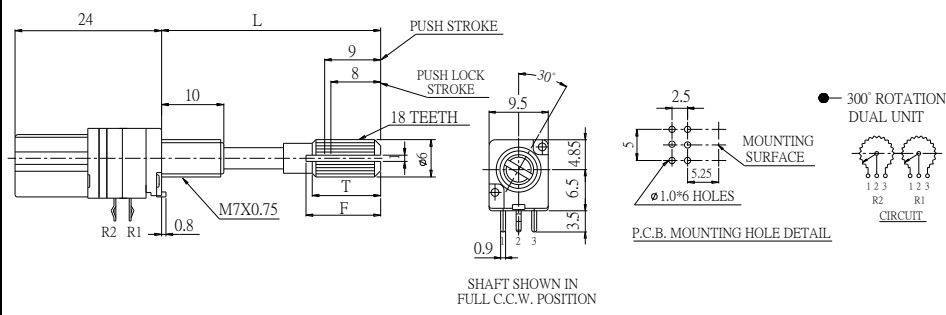

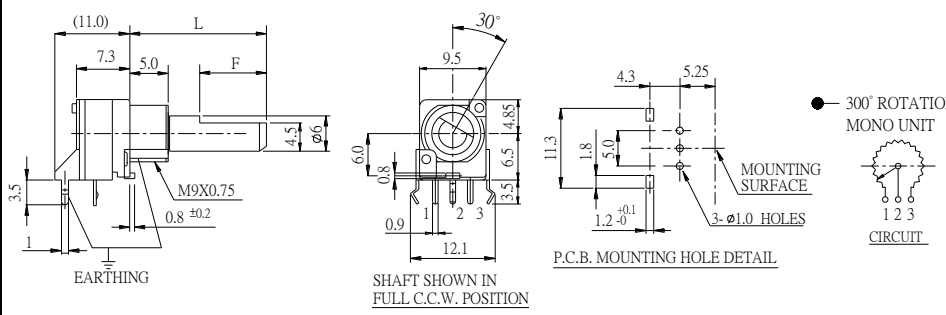
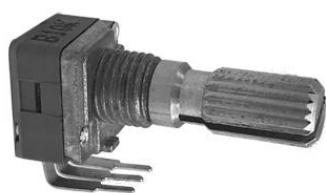
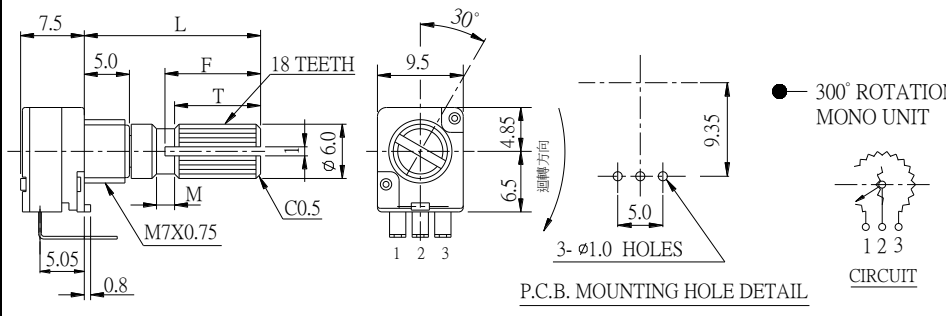

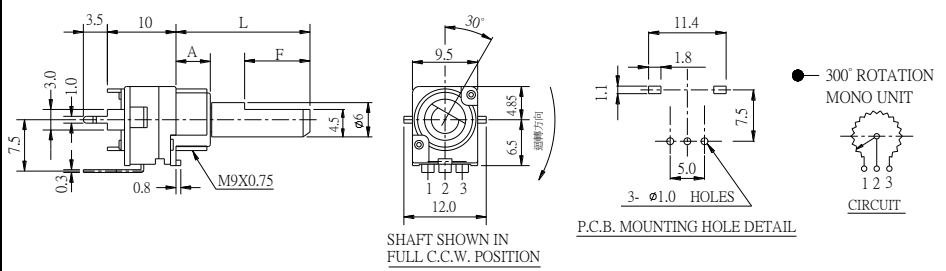
[Back to top](#)

## 9mm Single Metal Shaft, Multi-Ganged Series

Order Code	Outline Drawing
<b>RD901F-20</b> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>
<b>RD902F-20</b> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>
<b>RD902F-22</b> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>
<b>RD904F-20</b> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>

[Back to top](#)

## 9mm Single Metal Shaft, Multi-Ganged Series

Order code	Outline Drawing
<p>RD902PF-20B6</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>RD901PF (single unit) is also available.</p>
<p>RD901F-20E1-00D</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>
<p>RD901F-30</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>
<p>RD901F-40E1/40E3/40E6-00D</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>

[Back to top](#)

# POTENTIOMETERS



## 9mm Single Metal Shaft, Multi-Ganged Series

Order code	Outline Drawing
RD902F-20E1/20E3/20E6-00D	
RD901F-40-00D	
RD902F-40-00D	
RD901SF-20	

RD902SF (dual units) is also available.

[Back to top](#)

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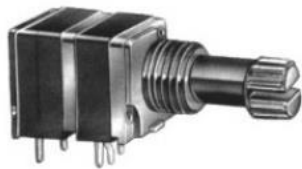
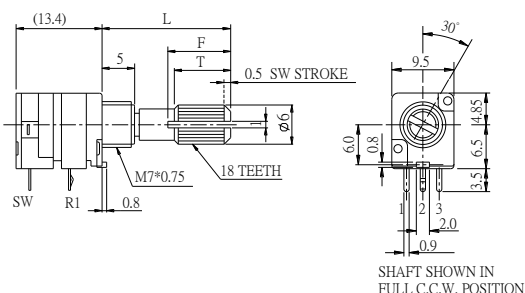
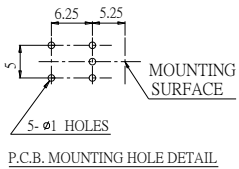
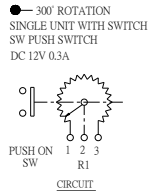

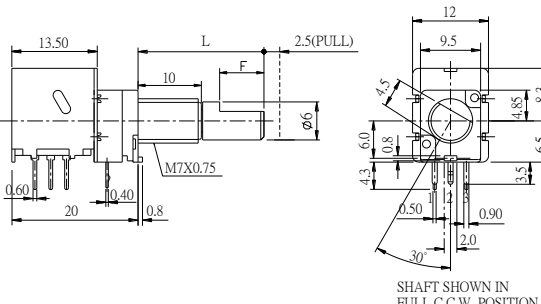
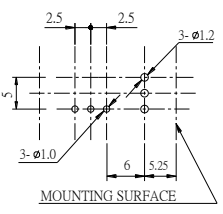
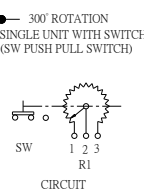

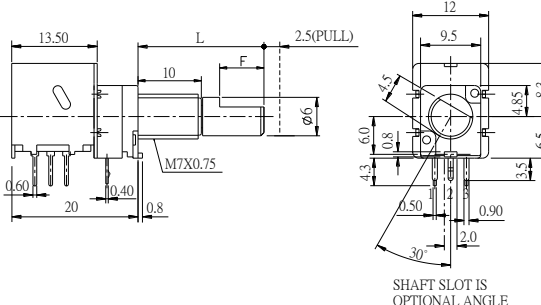
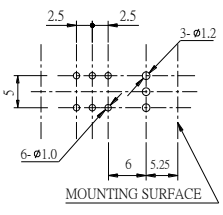
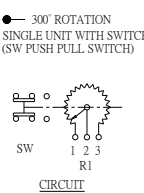

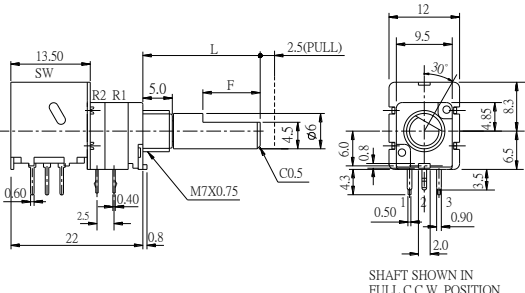
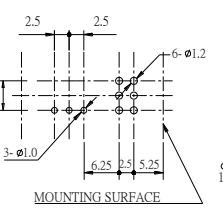
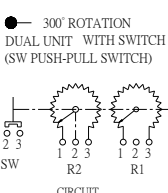
Contact: [sales@taiwanalpha.com](mailto:sales@taiwanalpha.com)



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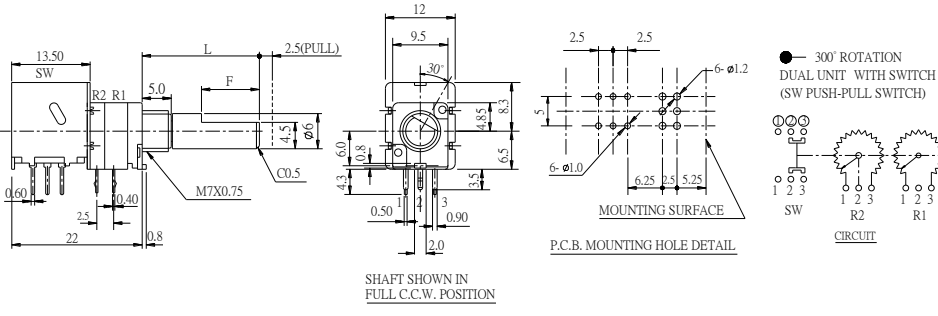


## 9mm Single Metal Shaft, Multi-Ganged Series

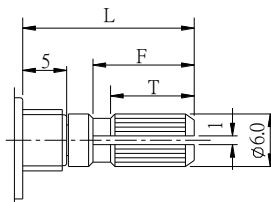
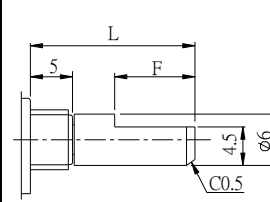
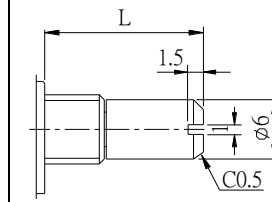
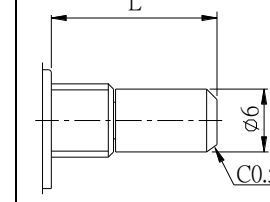
Order code	Outline Drawing
RD9010PF-20	   <p>P.C.B. MOUNTING HOLE DETAIL</p>  <p>● 300° ROTATION SINGLE UNIT WITH SWITCH SW PUSH SWITCH DC 12V 0.3A</p> <p>PUSH ON SW R1 CIRCUIT</p>
RD9020PF (dual units) is also available.	
RD901B21F-20(S.P.D.T)	   <p>P.C.B. MOUNTING HOLE DETAIL</p>  <p>● 300° ROTATION SINGLE UNIT WITH SWITCH (SW PUSH PULL SWITCH)</p> <p>SW R1 CIRCUIT</p>
RD901B22F-20(D.P.D.T)	   <p>P.C.B. MOUNTING HOLE DETAIL</p>  <p>● 300° ROTATION SINGLE UNIT WITH SWITCH (SW PUSH PULL SWITCH)</p> <p>SW R1 CIRCUIT</p>
RD902B21F-20(S.P.D.T)	   <p>P.C.B. MOUNTING HOLE DETAIL</p>  <p>● 300° ROTATION DUAL UNIT WITH SWITCH (SW PUSH-PULL SWITCH)</p> <p>SW R2 R1 CIRCUIT</p>

[Back to top](#)

## 9mm Single Metal Shaft, Multi-Ganged Series

Order code	Outline Drawing
RD902B22F-20(D.P.D.T)	  <p>Technical drawing details include:  - Dimensions: 13.50, 5.0, 2.5, 4.5, 12, 9.5, 30°, 4.5, 8.3, 6.5, 6.0, 10.8, 0.50, 3, 0.90, 2.0, 2.5, 2.5, 6-φ1.2, 6-φ1.0, 6.25, 2.5, 5.25.  - Features: SW, R2, R1, M7X0.75, C0.5, SHAFT SHOWN IN FULL C.C.W. POSITION, MOUNTING SURFACE, P.C.B. MOUNTING HOLE DETAIL.  - Circuit diagram: 300° ROTATION DUAL UNIT WITH SWITCH (SW PUSH-PULL SWITCH), SW, R2, R1, 1 2 3, 1 2 3, 1 2 3.</p>

### ■ Shaft Type

Order Code	(L)K	(L)F	(L)S	(L)R
Shaft Type	18 Teeth knurled	Flat shaft	Slotted shaft	Round shaft
Dimensions				
Standard Shaft Length (L)	15, 20, 25, 30			

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.

[Back to top](#)