

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

Bracket

Order Code	Description
Blank	Without Bracket
00D	With Bracket

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

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

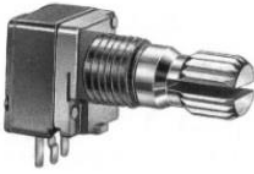
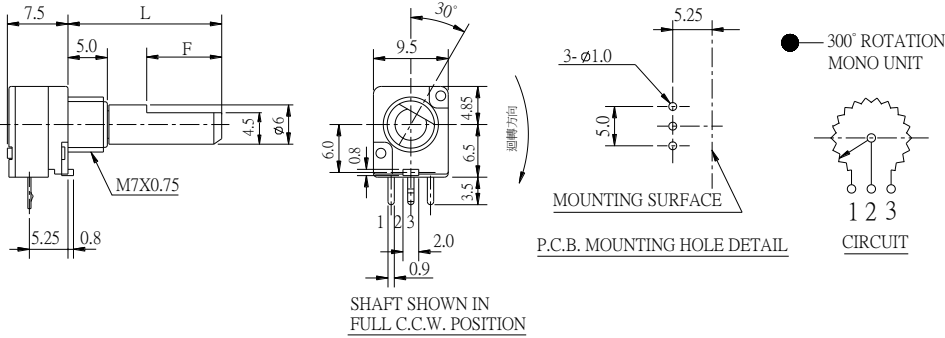
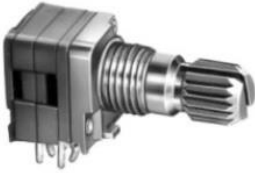
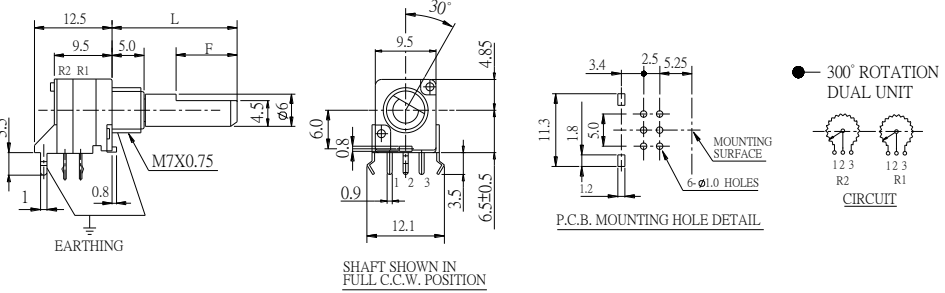
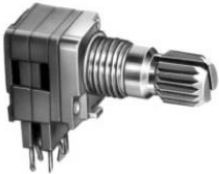
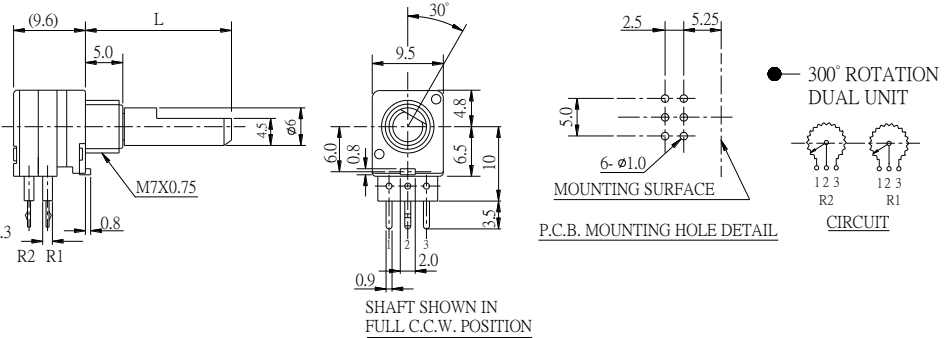
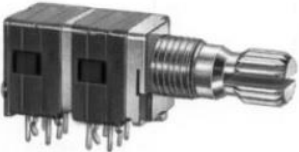
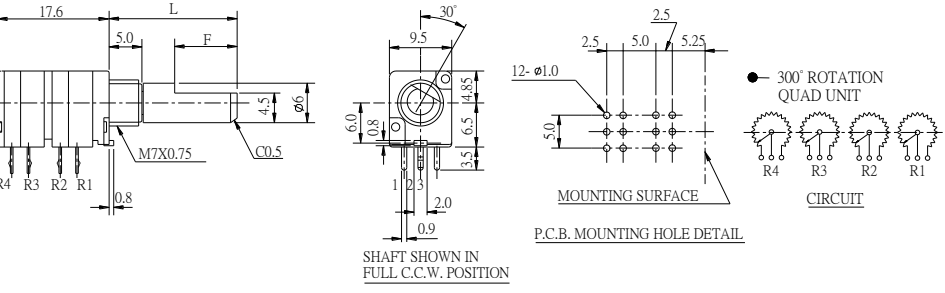
Model	Number of Unit	Terminal Type	With Switch	With Bracket
RD901F-20	Single Unit	Horizontal	Without Switch	Without Bracket
RD902F-20	Dual Units	Horizontal	Without Switch	Without Bracket
RD902F-22	Dual Units	Horizontal	Without Switch	Without Bracket
RD904F-20	Four Units	Horizontal	Without Switch	Without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

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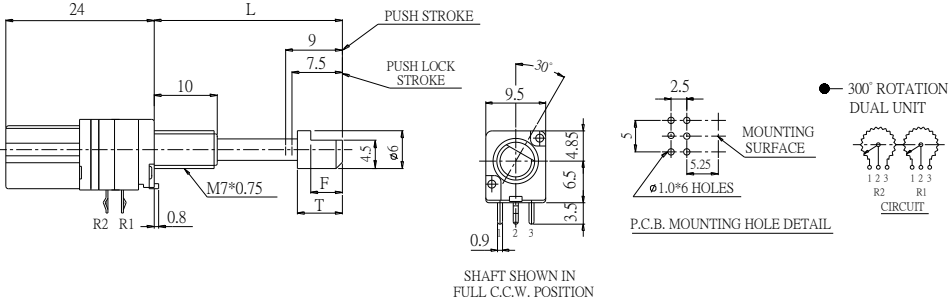
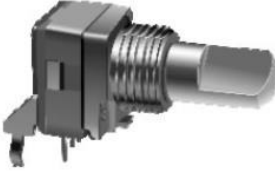
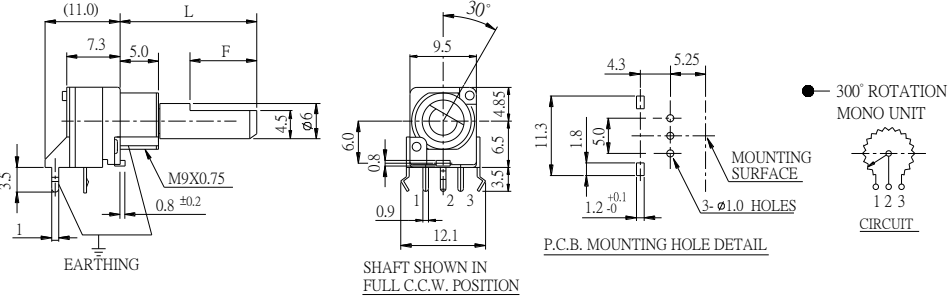

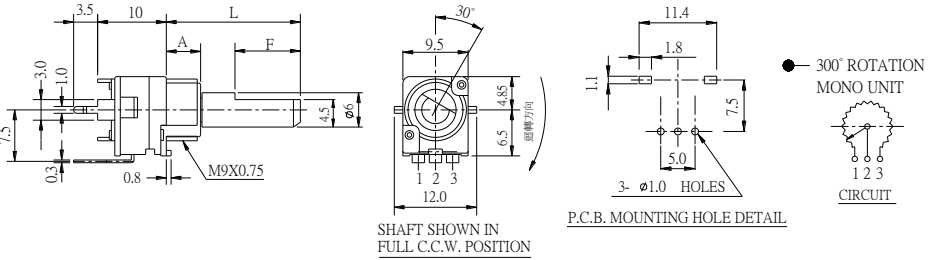

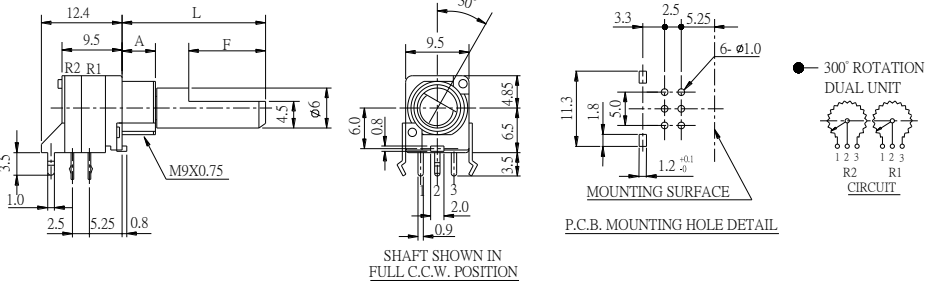


9mm Single Metal Shaft, Multi-Ganged Series

Order Code	Outline Drawing
<p>RD901F-20</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>● 300° ROTATION MONO UNIT</p> <p>CIRCUIT</p>
<p>RD902F-20</p> 	 <p>EARTHING</p> <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>● 300° ROTATION DUAL UNIT</p> <p>CIRCUIT</p>
<p>RD902F-22</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>● 300° ROTATION DUAL UNIT</p> <p>CIRCUIT</p>
<p>RD904F-20</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>● 300° ROTATION QUAD UNIT</p> <p>CIRCUIT</p>


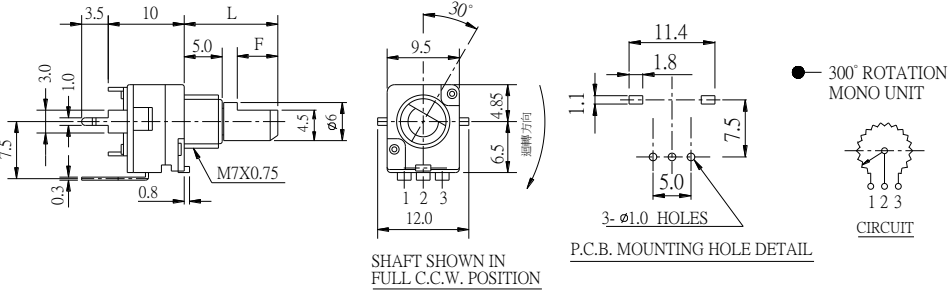

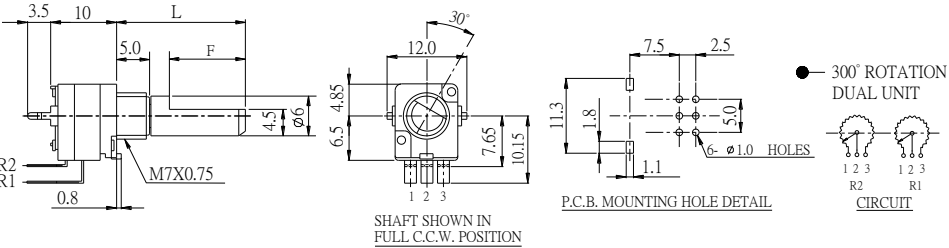

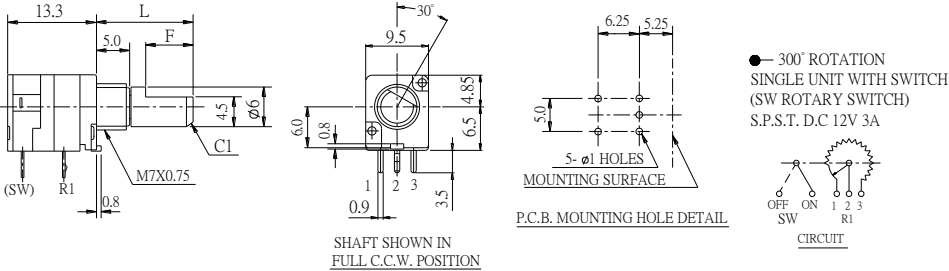
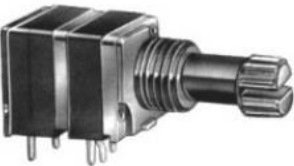
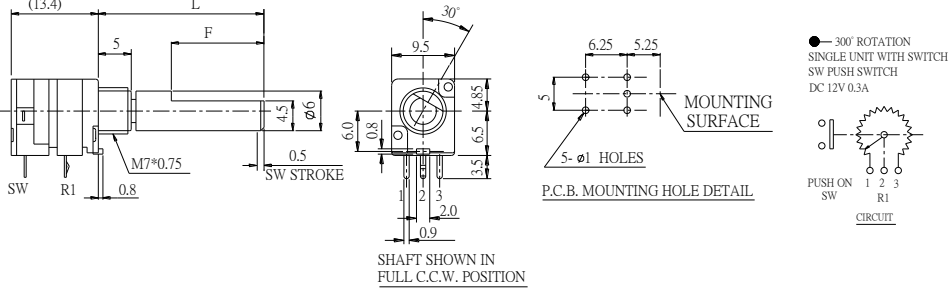
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9mm Single Metal Shaft, Multi-Ganged Series

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-40E1/40E3/40E6-00D</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>
<p>RD902F-20E1/20E3/20E6-00D</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>

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9mm Single Metal Shaft, Multi-Ganged Series

Order code	Outline Drawing
<p>RD901F-40-00D</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>● 300° ROTATION MONO UNIT</p> <p>CIRCUIT</p>
<p>RD902F-40-00D</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>● 300° ROTATION DUAL UNIT</p> <p>CIRCUIT</p>
<p>RD901SF-20</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>● 300° ROTATION SINGLE UNIT WITH SWITCH (SW ROTARY SWITCH) S.P.S.T. D.C 12V 3A</p> <p>CIRCUIT</p> <p>RD902SF (dual units) is also available.</p>
<p>RD9010PF-20</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>● 300° ROTATION SINGLE UNIT WITH SWITCH SW PUSH SWITCH DC 12V 0.3A</p> <p>CIRCUIT</p> <p>RD9020PF (dual units) is also available.</p>


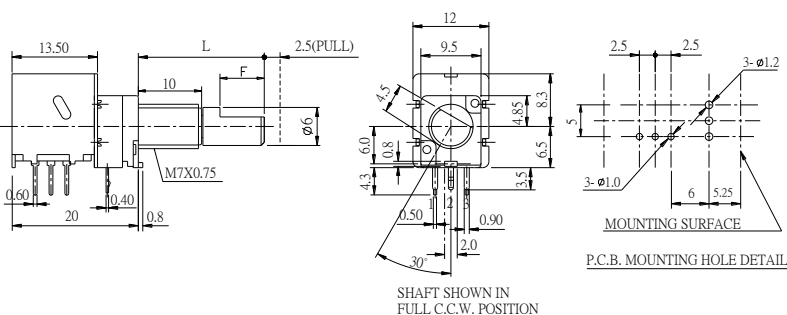

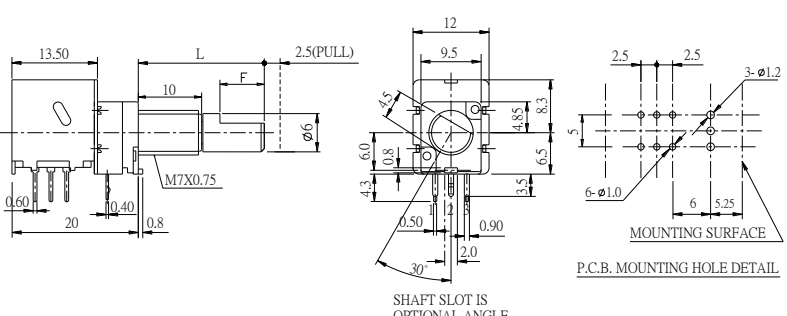

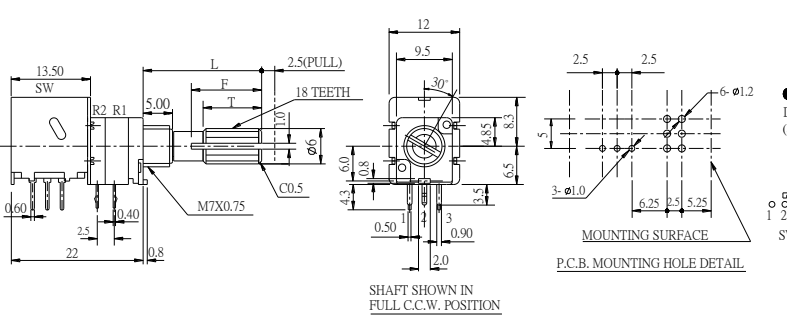

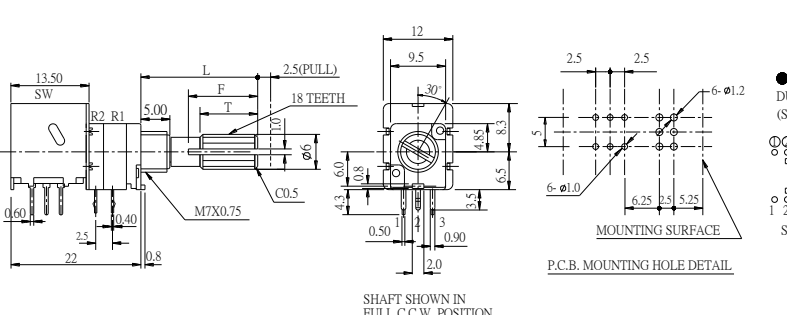
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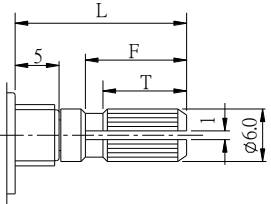
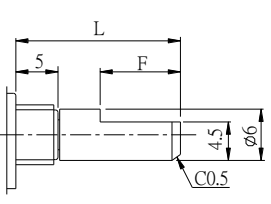
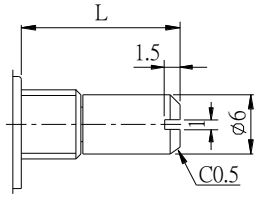
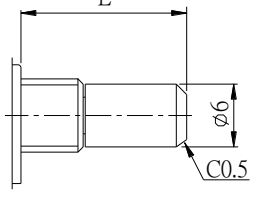
9mm Single Metal Shaft, Multi-Ganged Series

Order code	Outline Drawing
<p>RD901B21F-20(S.P.D.T)</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>300° ROTATION SINGLE UNIT WITH SWITCH (SW PUSH PULL SWITCH)</p> <p>MOUNTING SURFACE</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>CIRCUIT</p>
<p>RD901B22F-20(D.P.D.T)</p> 	 <p>SHAFT SLOT IS OPTIONAL ANGLE</p> <p>300° ROTATION SINGLE UNIT WITH SWITCH (SW PUSH PULL SWITCH)</p> <p>MOUNTING SURFACE</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>CIRCUIT</p>
<p>RD902B21F-20(S.P.D.T)</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>300° ROTATION DUAL UNIT WITH SWITCH (SW PUSH-PULL SWITCH)</p> <p>MOUNTING SURFACE</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>CIRCUIT</p>
<p>RD902B22F-20(D.P.D.T)</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>300° ROTATION DUAL UNIT WITH SWITCH (SW PUSH-PULL SWITCH)</p> <p>MOUNTING SURFACE</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>CIRCUIT</p>

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9mm Single Metal Shaft, Multi-Ganged Series

■ Shaft Type

Order Code	(L)K	(L)F	(L)S	(L)R
Shaft Type	18 Teeth knurled	Flat shaft	Slotted shaft	Round shaft
Dimensions	 <p>Technical drawing of the 18 Teeth knurled shaft (L)K. It shows a shaft of total length L with a knurled section of length F. The knurled section has a pitch of 1 and a diameter of $\phi 6.0$. A dimension of 5 is shown from the end of the shaft to the start of the knurled section.</p>	 <p>Technical drawing of the Flat shaft (L)F. It shows a shaft of total length L with a flat section of length F. The flat section has a width of 4.5 and a diameter of $\phi 6$. A chamfer of C0.5 is shown at the end. A dimension of 5 is shown from the end of the shaft to the start of the flat section.</p>	 <p>Technical drawing of the Slotted shaft (L)S. It shows a shaft of total length L with a slot of width 1.5. The shaft has a diameter of $\phi 6$ and a chamfer of C0.5 at the end.</p>	 <p>Technical drawing of the Round shaft (L)R. It shows a shaft of total length L with a diameter of $\phi 6$ and a chamfer of C0.5 at the end.</p>
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.

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Mouser Electronics

Authorized Distributor

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Alpha (Taiwan):

[RD901F-20-15R-B10K-00L1](#) [RD901F-20-15R-B100K-00L1](#) [RD901F-20-15R-B1K-00L1](#) [RD901F-20-15R-B50K-00L1](#)
[RD901F-20-15R-B5K-00L1](#) [RD901F-20-15K-B100K-00L1](#) [RD901F-20-15F-B10K-00L1](#) [RD901F-40-15F-B100K-](#)
[00DL1](#) [RD901F-20-15K-B10K-00L1](#) [RD901F-40-15F-A100K-00DL1](#) [RD901F-20-15F-B100K-00L1](#) [RD901F-40-15F-](#)
[B10K-00DL1](#) [RD901F-40-15K-B10K-00DL1](#) [RD901F-40-15K-B100K-00DL1](#) [RD901F-40-15R-B10K-00DL1](#) [RD901F-](#)
[40-15R-B100K-00DL1](#)

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

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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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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