

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

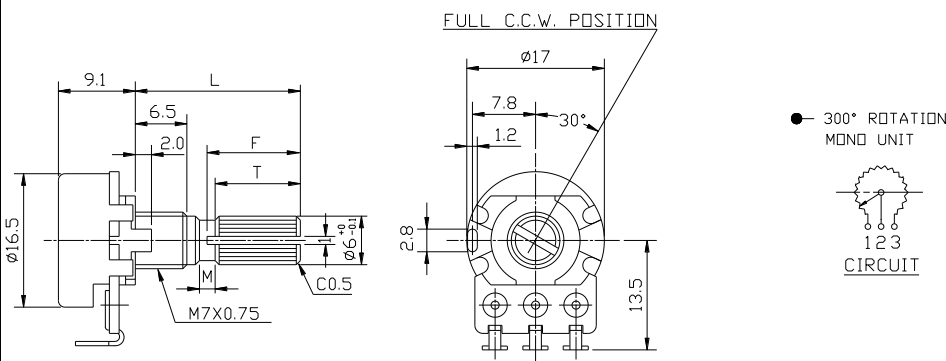
Resistance Value: 1KΩ to 500KΩ and 1MΩ

*Contact us for other requirements.

16mm Rotary Type, Metal Shaft Series

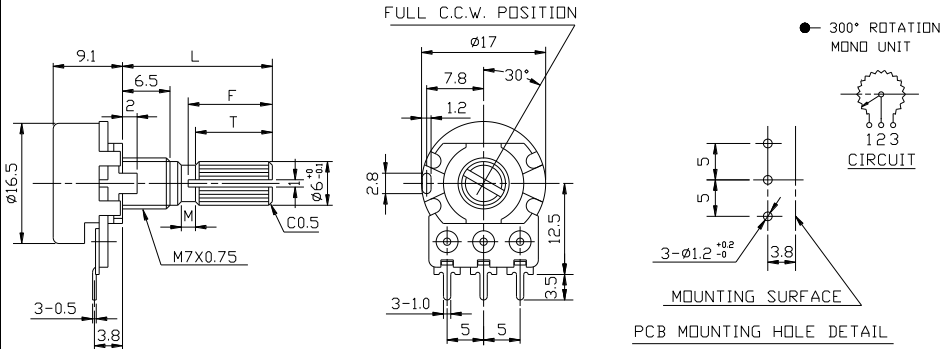
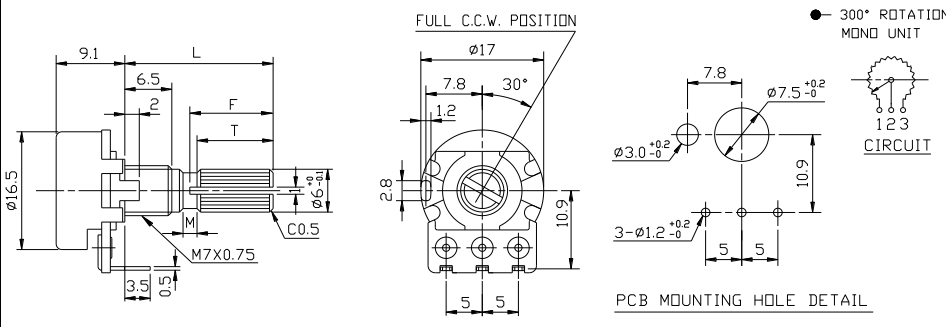
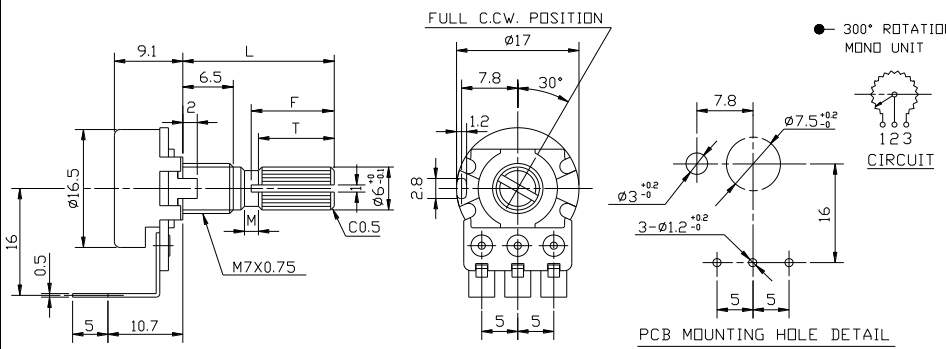
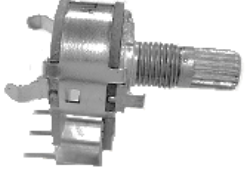
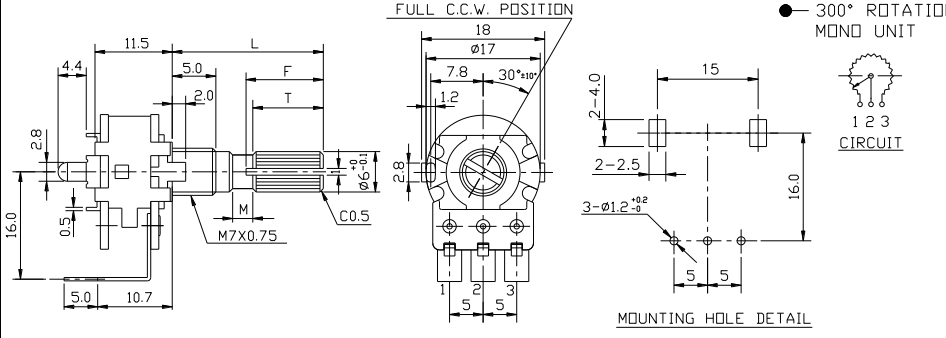
■Model Description

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°
RV16AD0F-41	Single unit with bracket	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	Single 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	 

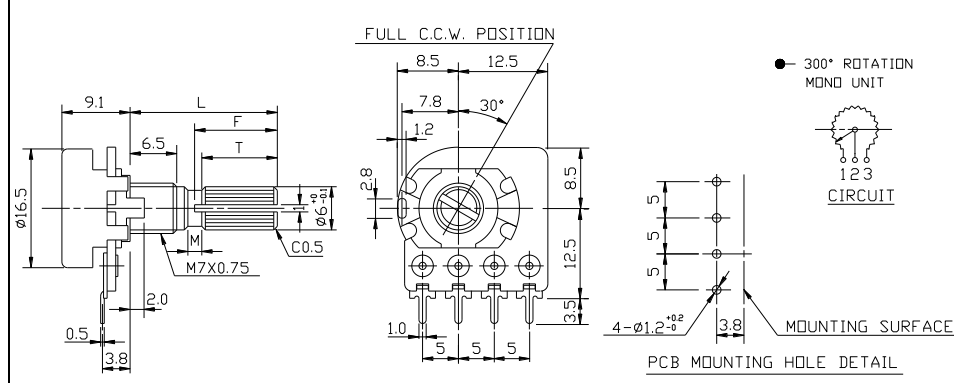
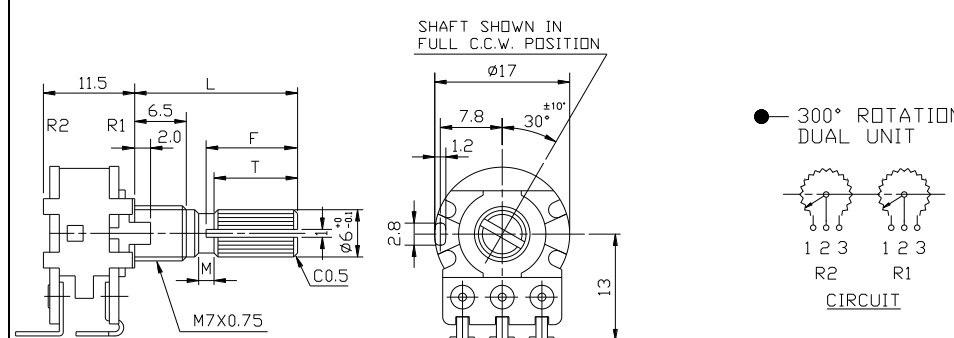
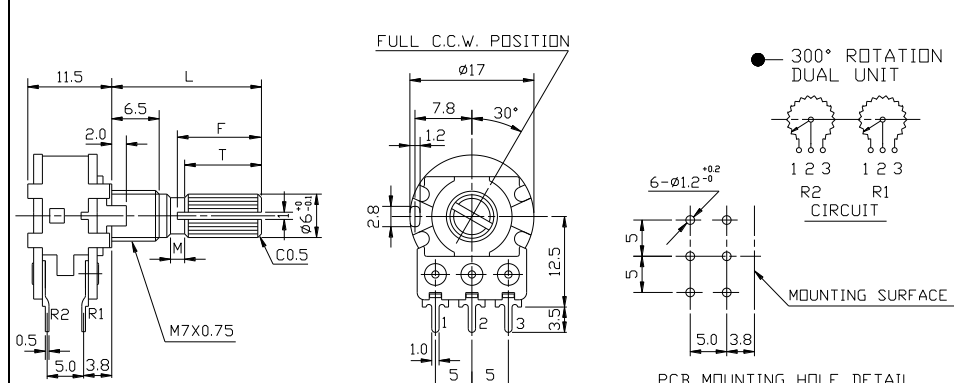
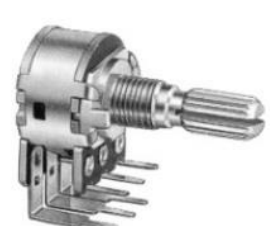
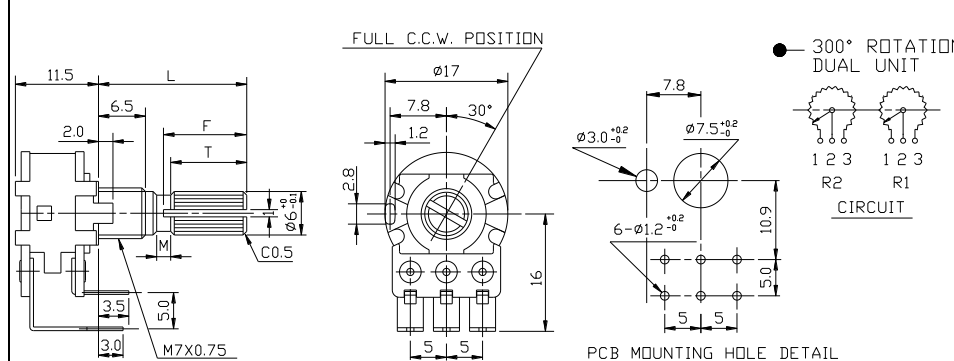
[Back to top](#)

16mm Rotary Type, Metal Shaft Series

Order Code	Outline Drawing
RV16AF-20	  RV16AF-20 potentiometer outline drawing. It shows a side view with dimensions: 9.1, 6.5, 2, L, F, T, M, C0.5, $\phi 16.5$, 3-0.5, 3.8, and a shaft diameter of $\phi 6-0.1$. The front view shows a 30° rotation, 300° rotation mono unit, and dimensions: 17, 7.8, 1.2, 2.8, 12.5, 3-1.0, 5, 5. The PCB mounting hole detail shows a 3-$\phi 1.2^{+0.2}_{-0}$ pattern with a 3.8mm offset and a 123 circuit diagram.
RV16AF-30	  RV16AF-30 potentiometer outline drawing. It shows a side view with dimensions: 9.1, 6.5, 2, L, F, T, M, C0.5, $\phi 16.5$, 3.5, 0.5, and a shaft diameter of $\phi 6-0.1$. The front view shows a 30° rotation, 300° rotation mono unit, and dimensions: 17, 7.8, 1.2, 2.8, 10.9, 5, 5. The PCB mounting hole detail shows a 3-$\phi 1.2^{+0.2}_{-0}$ pattern with a 7.8mm offset, a $\phi 7.5^{+0.2}_{-0}$ hole, and a 10.9mm distance, with a 123 circuit diagram.
RV16AF-41	  RV16AF-41 potentiometer outline drawing. It shows a side view with dimensions: 9.1, 6.5, 2, L, F, T, M, C0.5, $\phi 16.5$, 16, 0.5, 5, 10.7, and a shaft diameter of $\phi 6-0.1$. The front view shows a 30° rotation, 300° rotation mono unit, and dimensions: 17, 7.8, 1.2, 2.8, 16, 5, 5. The PCB mounting hole detail shows a 3-$\phi 1.2^{+0.2}_{-0}$ pattern with a 7.8mm offset, a $\phi 7.5^{+0.2}_{-0}$ hole, and a 16mm distance, with a 123 circuit diagram.
RV16ADOF-41	  RV16ADOF-41 potentiometer outline drawing. It shows a side view with dimensions: 11.5, 5.0, 2.0, L, F, T, M, C0.5, $\phi 16.0$, 2.8, 0.5, 5.0, 10.7, and a shaft diameter of $\phi 6-0.1$. The front view shows a 30° rotation, 300° rotation mono unit, and dimensions: 18, 17, 7.8, 1.2, 2.8, 15, 5, 5. The mounting hole detail shows a 3-$\phi 1.2^{+0.2}_{-0}$ pattern with a 15mm offset, a 2-4.0mm distance, and a 16.0mm distance, with a 123 circuit diagram.

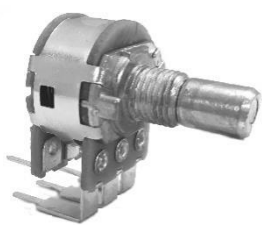
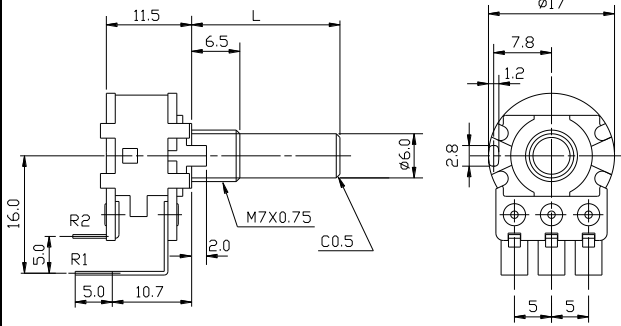
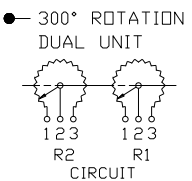
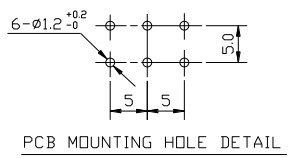
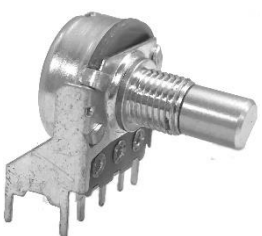
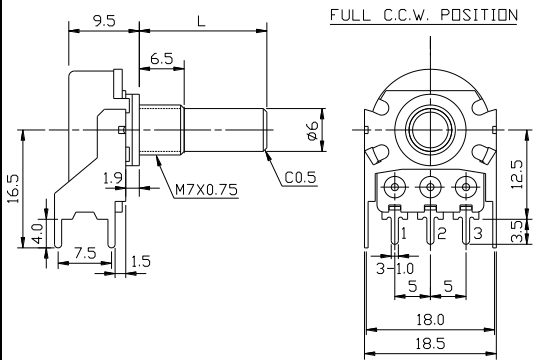
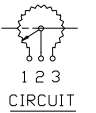
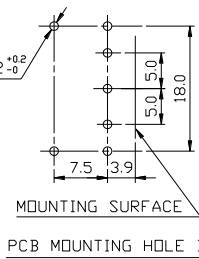
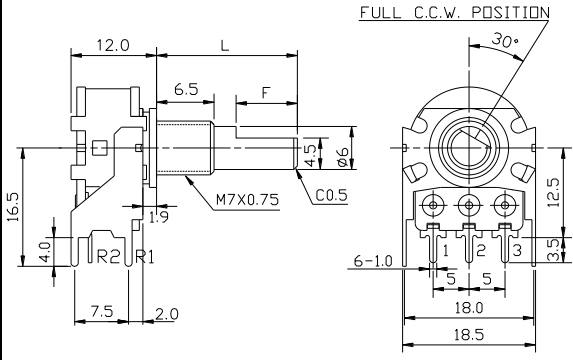
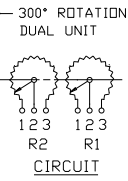
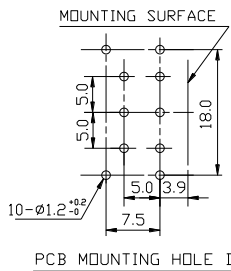
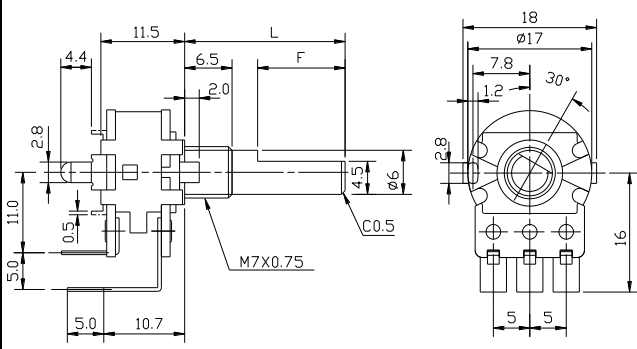
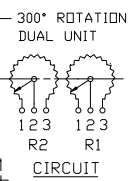
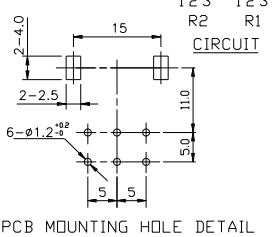
[Back to top](#)

16mm Rotary Type, Metal Shaft Series

Order Code	Outline Drawing
RV16ARF-20	  RV16ARF-20 is a single-unit potentiometer. The drawing shows a side view with dimensions: 9.1, 6.5, L, F, T, M, $\phi 6.35$, C0.5, 2.0, 0.5, 3.8, and $\phi 16.5$. The front view shows a 30° rotation, 8.5, 12.5, 7.8, 1.2, 2.8, 1.0, 5, 5, 5, 3.5, 12.5, and 8.5. The PCB mounting hole detail shows a 4-$\phi 1.2^{+0.2}_{-0}$ pattern with a 3.8mm offset. The circuit diagram shows a single unit with terminals 1, 2, and 3.
RV16A01F-10	  RV16A01F-10 is a dual-unit potentiometer. The drawing shows a side view with dimensions: 11.5, 6.5, L, F, T, M, $\phi 6.35$, C0.5, 2.0, 0.5, 3.8, and $\phi 16.5$. The front view shows a 30° rotation, $\phi 17$, 7.8, 1.2, 2.8, 1.0, 5, 5, 5, 13, and 13. The PCB mounting hole detail shows a 6-$\phi 1.2^{+0.2}_{-0}$ pattern with a 3.8mm offset. The circuit diagram shows two units (R2 and R1) with terminals 1, 2, and 3.
RV16A01F-20	  RV16A01F-20 is a dual-unit potentiometer. The drawing shows a side view with dimensions: 11.5, 6.5, L, F, T, M, $\phi 6.35$, C0.5, 2.0, 0.5, 3.8, and $\phi 16.5$. The front view shows a 30° rotation, $\phi 17$, 7.8, 1.2, 2.8, 1.0, 5, 5, 5, 12.5, and 12.5. The PCB mounting hole detail shows a 6-$\phi 1.2^{+0.2}_{-0}$ pattern with a 3.8mm offset. The circuit diagram shows two units (R2 and R1) with terminals 1, 2, and 3.
RV16A01F-30	  RV16A01F-30 is a dual-unit potentiometer. The drawing shows a side view with dimensions: 11.5, 6.5, L, F, T, M, $\phi 6.35$, C0.5, 2.0, 0.5, 3.8, and $\phi 16.5$. The front view shows a 30° rotation, $\phi 17$, 7.8, 1.2, 2.8, 1.0, 5, 5, 5, 16, and 16. The PCB mounting hole detail shows a 6-$\phi 1.2^{+0.2}_{-0}$ pattern with a 3.8mm offset. The circuit diagram shows two units (R2 and R1) with terminals 1, 2, and 3.

[Back to top](#)

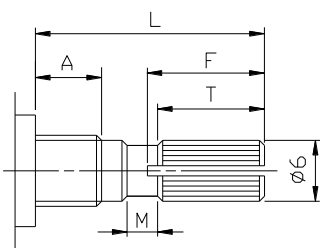
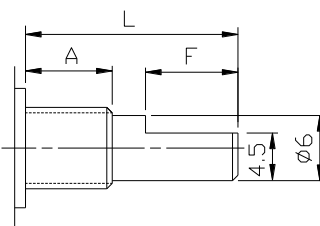
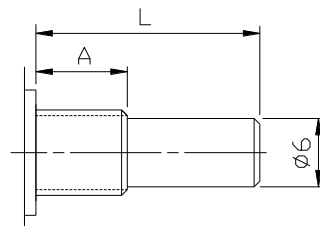
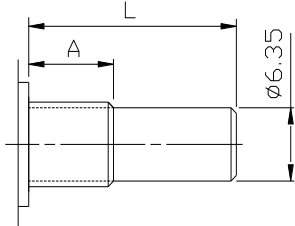
16mm Rotary Type, Metal Shaft Series

Order Code	Outline Drawing
RV16A01F-41	 FULL C.C.W. POSITION   300° ROTATION DUAL UNIT CIRCUIT  PCB MOUNTING HOLE DETAIL
RV16AEF-20	 FULL C.C.W. POSITION   300° ROTATION MONO UNIT CIRCUIT  PCB MOUNTING HOLE DETAIL
RV16AE1F-20	 FULL C.C.W. POSITION   300° ROTATION DUAL UNIT CIRCUIT  PCB MOUNTING HOLE DETAIL
RV16AD1F-41	 FULL C.C.W. POSITION   300° ROTATION DUAL UNIT CIRCUIT  PCB MOUNTING HOLE DETAIL

[Back to top](#)

16mm Rotary Type, Metal Shaft Series

■ Metal Shaft Type

K Type																																							
	A : 5mm	A : 6.5mm	A : 8mm																																				
	<table><tr><th>Order Code</th><th>L</th><th>T</th></tr><tr><td>10K</td><td>10</td><td>3.2</td></tr><tr><td>15K</td><td>15</td><td>6</td></tr><tr><td>20K</td><td>20</td><td>10</td></tr><tr><td>25K</td><td>25</td><td>12</td></tr></table>	Order Code	L	T	10K	10	3.2	15K	15	6	20K	20	10	25K	25	12	<table><tr><th>Order Code</th><th>L</th><th>T</th></tr><tr><td>10K</td><td>10</td><td>2.2</td></tr><tr><td>15K</td><td>15</td><td>6</td></tr><tr><td>20K</td><td>20</td><td>10</td></tr><tr><td>25K</td><td>25</td><td>12</td></tr></table>	Order Code	L	T	10K	10	2.2	15K	15	6	20K	20	10	25K	25	12	<table><tr><th>Order Code</th><th>L</th><th>T</th></tr><tr><td>20K</td><td>20</td><td>7</td></tr></table>	Order Code	L	T	20K	20	7
	Order Code	L	T																																				
	10K	10	3.2																																				
	15K	15	6																																				
	20K	20	10																																				
25K	25	12																																					
Order Code	L	T																																					
10K	10	2.2																																					
15K	15	6																																					
20K	20	10																																					
25K	25	12																																					
Order Code	L	T																																					
20K	20	7																																					
F Type																																							
	A : 5mm	A : 6.5mm	A : 8mm																																				
	<table><tr><th>Order Code</th><th>L</th><th>F</th></tr><tr><td>10F</td><td>10</td><td>4</td></tr><tr><td>15F</td><td>15</td><td>7</td></tr><tr><td>20F</td><td>20</td><td>12</td></tr><tr><td>25F</td><td>25</td><td>14</td></tr></table>	Order Code	L	F	10F	10	4	15F	15	7	20F	20	12	25F	25	14	<table><tr><th>Order Code</th><th>L</th><th>F</th></tr><tr><td>10F</td><td>10</td><td>2.5</td></tr><tr><td>15F</td><td>15</td><td>7</td></tr><tr><td>20F</td><td>20</td><td>12</td></tr><tr><td>25F</td><td>25</td><td>14</td></tr></table>	Order Code	L	F	10F	10	2.5	15F	15	7	20F	20	12	25F	25	14	<table><tr><th>Order Code</th><th>L</th><th>F</th></tr><tr><td>20F</td><td>20</td><td>7</td></tr></table>	Order Code	L	F	20F	20	7
	Order Code	L	F																																				
	10F	10	4																																				
	15F	15	7																																				
	20F	20	12																																				
25F	25	14																																					
Order Code	L	F																																					
10F	10	2.5																																					
15F	15	7																																					
20F	20	12																																					
25F	25	14																																					
Order Code	L	F																																					
20F	20	7																																					
R Type		R1 Type																																					
	A : 5 mm, 6.5 mm, 8 mm		A : 5 mm,6.5mm																																				
	<table><tr><th>Order Code</th><th>L</th></tr><tr><td>10R</td><td>10</td></tr><tr><td>15R</td><td>15</td></tr><tr><td>20R</td><td>20</td></tr><tr><td>25R</td><td>25</td></tr></table>		Order Code	L	10R	10	15R	15	20R	20	25R	25	<table><tr><th>Order Code</th><th>L</th></tr><tr><td>15R1</td><td>15</td></tr></table>	Order Code	L	15R1	15																						
	Order Code		L																																				
	10R		10																																				
	15R		15																																				
	20R		20																																				
25R	25																																						
Order Code	L																																						
15R1	15																																						

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](#)