

9mm Rotary Type, Snap-In, Insulated Shaft

Application

- ✓ TV/Video, Audio, Home appliance, Industrial control

Feature

- ✓ Smooth rotation feeling



■Specification

Total Rotational Angle	RV09A series: $280 \pm 5^\circ$, RV09B series: $300 \pm 5^\circ$
Maximum Operating Voltage	50V AC
Insulation Resistance	100M Ω at DC250V
Dielectric Strength	AC250V for 1 minute
Rotational Torque	10-100 gf.cm
Click Torque	20-120 gf.cm
Rotational Stop Strength of the Shaft	3 kgs.cm min
Push/Pull Strength of the Shaft	5kgs for 3 sec
Operating Temperature Range	-10 $^\circ$ C~70 $^\circ$ C
Rotation Life	With click: 5,000 cycles, without click: 10,000 cycles

■How to order

RV09AF-20 – 15F - B10K - 0C

[Model](#)

[Shaft Type](#)

Taper and Resistance Value

Order Code	Taper	Resistance Value
A100K	Log/A	100K Ω
B1M	Linear/B	1M Ω
C500K	Rev-log/C	500K Ω

Taper: A, B and C

Resistance Value: 1K Ω to 500K Ω and 1M Ω

*Contact us for other requirements.

Click

Order Code	Description
Blank	No click
0C	With center click

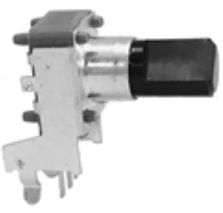
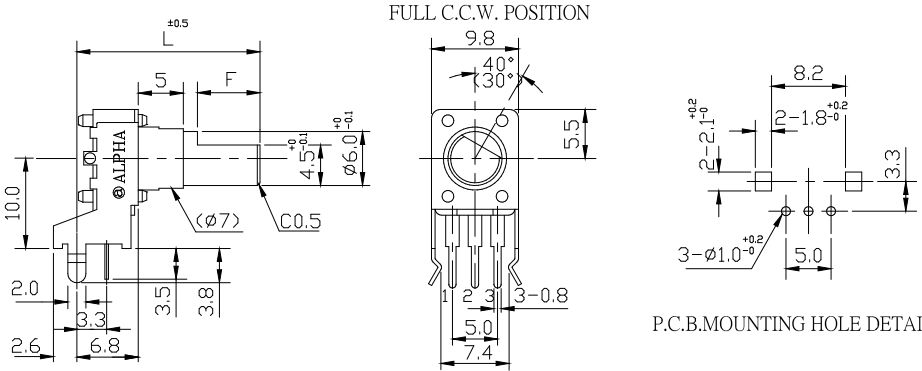

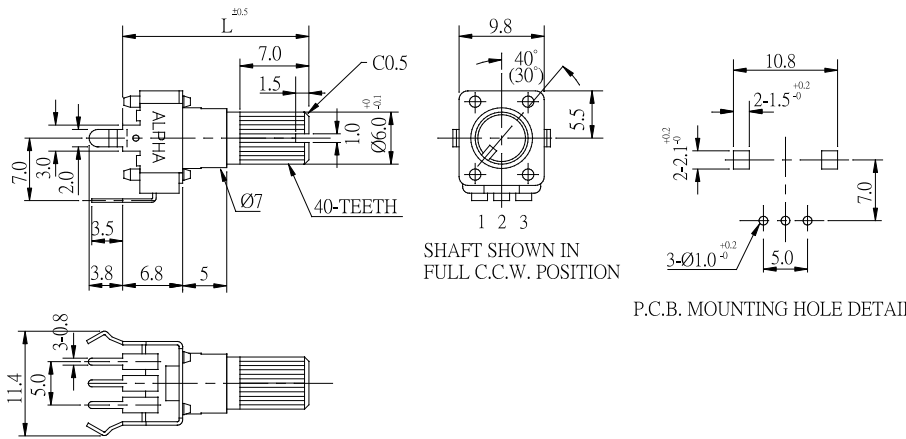
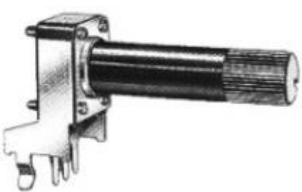
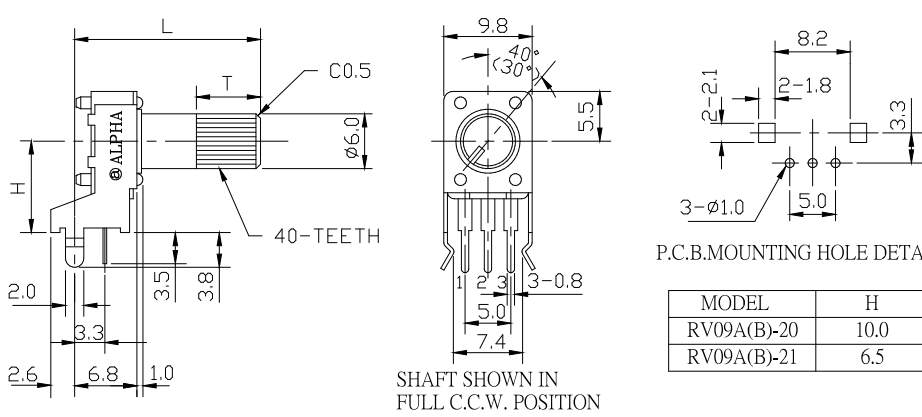
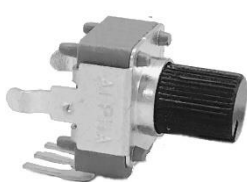
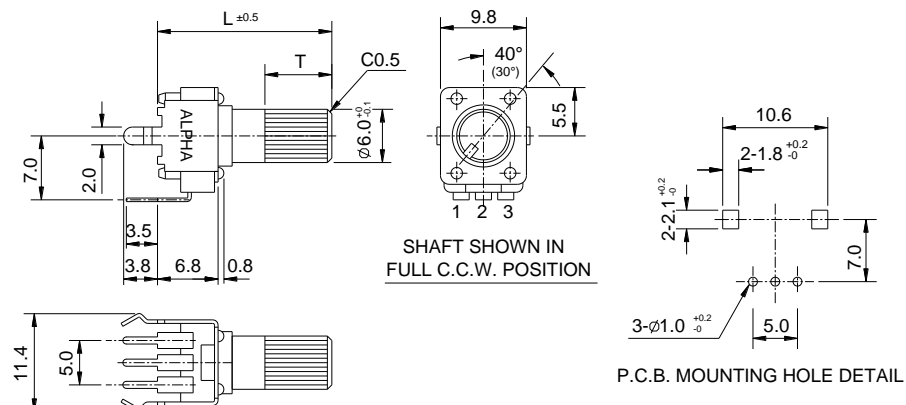
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■Model Description

Model	Number of Unit	Terminal Type	With Sleeve or Bushing	Rotational Angle	Mounting Height
RV09ACF-20	Single unit	Horizontal	Sleeve	280°±5°	10 mm
RV09BCF-20	Single unit	Horizontal	Sleeve	300°±5°	10 mm
RV09ACF-40	Single unit	Vertical	Sleeve	280°±5°	7.0 mm
RV09BCF-40	Single unit	Vertical	Sleeve	300°±5°	7.0 mm
RV09AF-20	Single unit	Horizontal	N/A	280°±5°	10 mm
RV09AF-21	Single unit	Horizontal	N/A	280°±5°	6.5 mm
RV09BF-20	Single unit	Horizontal	N/A	300°±5°	10 mm
RV09BF-21	Single unit	Horizontal	N/A	300°±5°	6.5 mm
RV09AF-40	Single unit	Vertical	N/A	280°±5°	7.0 mm
RV09BF-40	Single unit	Vertical	N/A	300°±5°	7.0 mm
RV09AF-20E1N	Single unit	Horizontal	Plastic bushing	280°±5°	10 mm
RV09BF-20E1N	Single unit	Horizontal	Plastic bushing	300°±5°	10 mm
RV09AF-40E1N	Single unit	Vertical	Plastic bushing	280°±5°	7.0 mm
RV09BF-40E1N	Single unit	Vertical	Plastic bushing	300°±5°	7.0 mm
RV09AF-20E1	Single unit	Horizontal	Metal bushing	280°±5°	10 mm
RV09BF-20E1	Single unit	Horizontal	Metal bushing	300°±5°	10 mm
RV09AF-40E1	Single unit	Vertical	Metal bushing	280°±5°	7.0 mm
RV09BF-40E1	Single unit	Vertical	Metal bushing	300°±5°	7.0 mm

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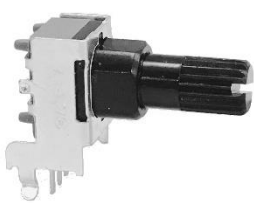
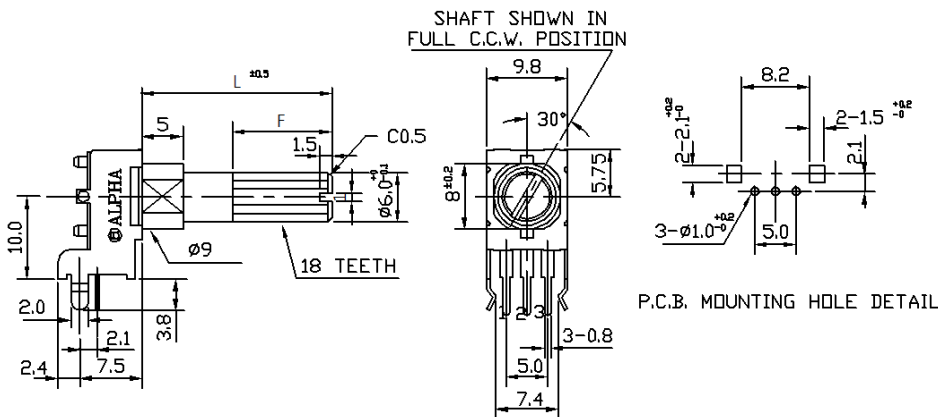

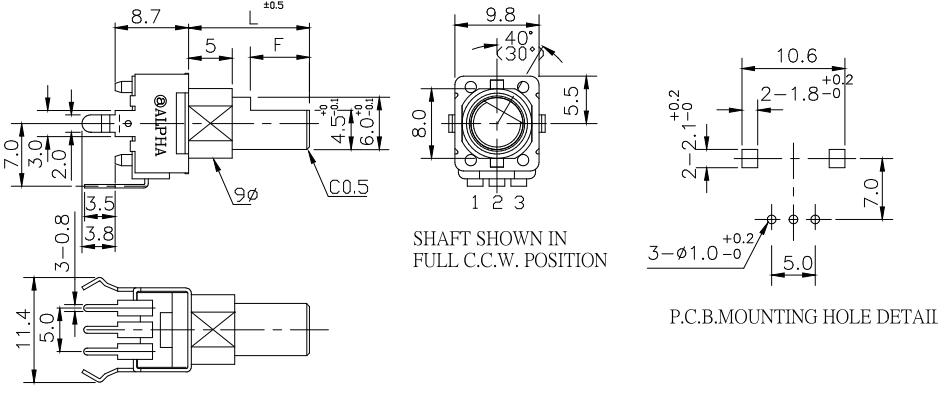

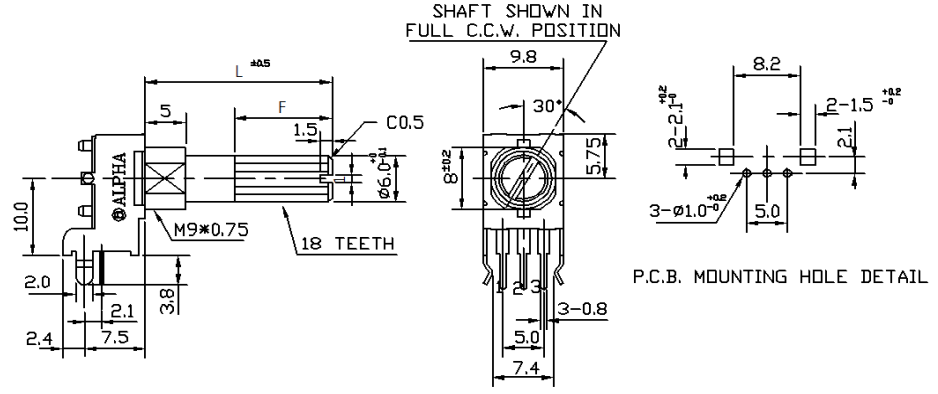

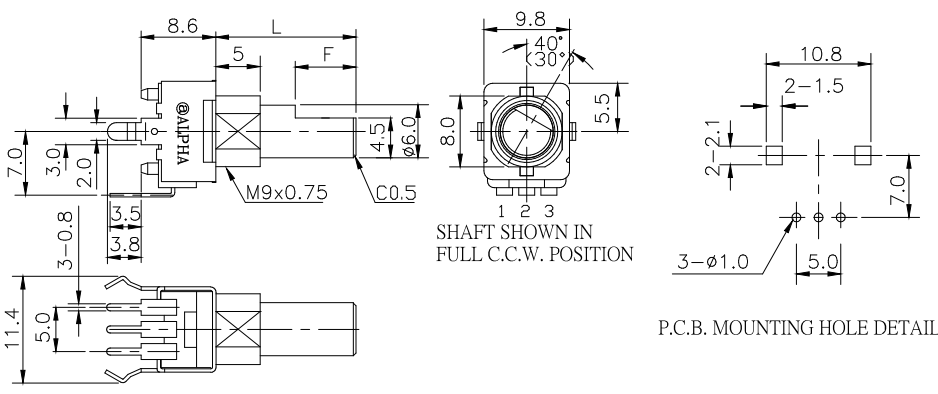
Order Code	Outline Drawing						
RV09ACF-20 RV09BCF-20 	<p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>  <p>P.C.B.MOUNTING HOLE DETAIL</p>						
RV09ACF-40 RV09BCF-40 	 <p>P.C.B. MOUNTING HOLE DETAIL</p>						
RV09AF-20,RV09BF-20 RV09AF-21,RV09BF-21 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <table border="1"> <thead> <tr> <th>MODEL</th><th>H</th></tr> </thead> <tbody> <tr> <td>RV09A(B)-20</td><td>10.0</td></tr> <tr> <td>RV09A(B)-21</td><td>6.5</td></tr> </tbody> </table>	MODEL	H	RV09A(B)-20	10.0	RV09A(B)-21	6.5
MODEL	H						
RV09A(B)-20	10.0						
RV09A(B)-21	6.5						
RV09AF-40 RV09BF-40 	 <p>P.C.B. MOUNTING HOLE DETAIL</p>						

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POTENTIOMETERS



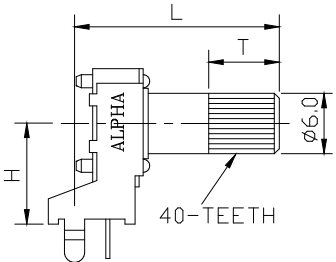
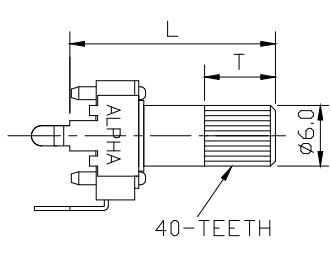
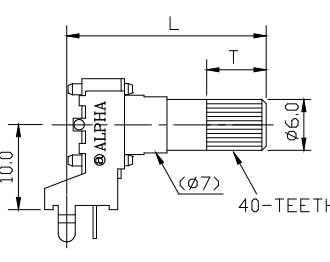
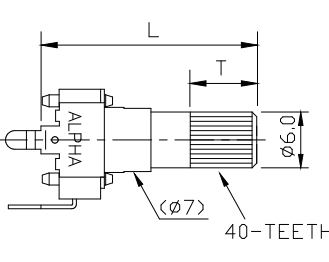
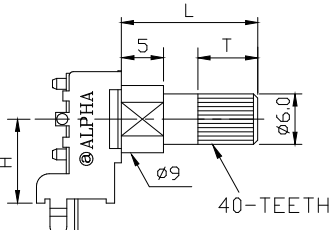
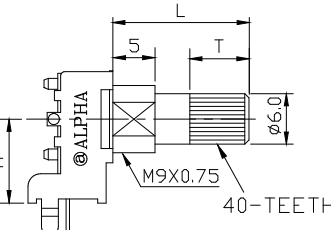
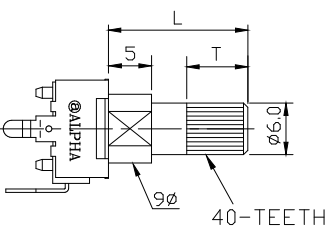
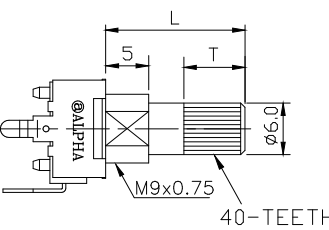
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Order code	Outline Drawing
RV09AF-20E1N RV09BF-20E1N	 
RV09AF-40E1N RV09BF-40E1N	 
RV09AF-20E1 RV09BF-20E1	 
RV09AF-40E1 RV09BF-40E1	 

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9mm Rotary Type, Snap-In, Insulated Shaft

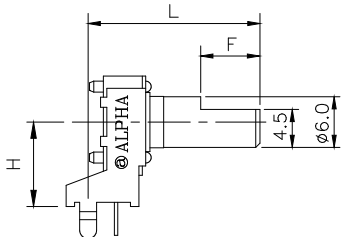
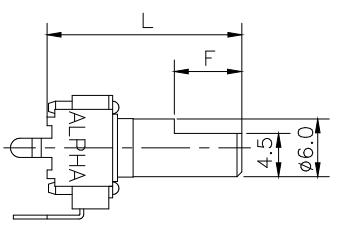
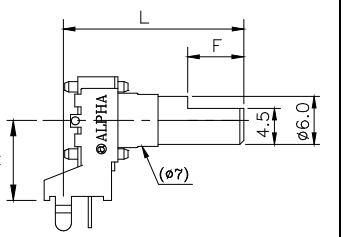
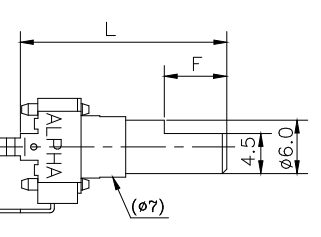
■ K TYPE

RV09AF-20(21)-(L)K RV09BF-20(21)-(L)K	RV09AF-40-(L)K RV09BF-40-(L)K	RV09ACF-20-(L)K RV09BCF-20-(L)K	RV09ACF-40-(L)K RV09BCF-40-(L)K																											
																														
RV09AF, RV09ACF		RV09BF, RV09BCF																												
<table><tr><td>Order Code</td><td>15K</td><td>20K</td><td>25K</td><td>30K</td></tr><tr><td>L</td><td>15</td><td>20</td><td>25</td><td>30</td></tr><tr><td>T</td><td>7</td><td>7</td><td>7</td><td>7</td></tr></table>		Order Code	15K	20K	25K	30K	L	15	20	25	30	T	7	7	7	7	<table><tr><td>Order Code</td><td>20K</td><td>25K</td><td>30K</td></tr><tr><td>L</td><td>20</td><td>25</td><td>30</td></tr><tr><td>T</td><td>7</td><td>7</td><td>7</td></tr></table>		Order Code	20K	25K	30K	L	20	25	30	T	7	7	7
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T	7	7	7	7																										
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**15 mm shaft is not available for RV09ACF/BCF models.																														
RV09AF-20E1N-(L)K RV09BF-20E1N-(L)K RV09AF-20E1-(L)K RV09BF-20E1-(L)K		RV09AF-40E1N-(L)K RV09BF-40E1N-(L)K RV09AF-40E1-(L)K RV09BF-40E1-(L)K																												
  <p>H=10</p>		 																												
<table><tr><td>Order Code</td><td>165K</td><td>215K</td></tr><tr><td>L</td><td>16.5</td><td>21.5</td></tr><tr><td>T</td><td>7</td><td>7</td></tr></table>				Order Code	165K	215K	L	16.5	21.5	T	7	7																		
Order Code	165K	215K																												
L	16.5	21.5																												
T	7	7																												

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■ F TYPE

RV09AF-20(21)-(L)F RV09BF-20(21)-(L)F	RV09AF-40-(L)F RV09BF-40-(L)F	RV09ACF-20-(L)F RV09BCF-20-(L)F	RV09ACF-40-(L)F RV09BCF-40-(L)F
			

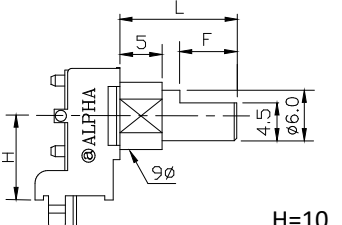
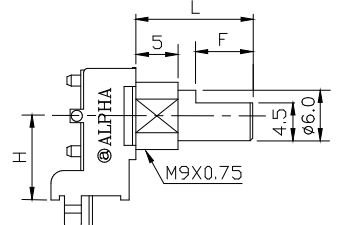
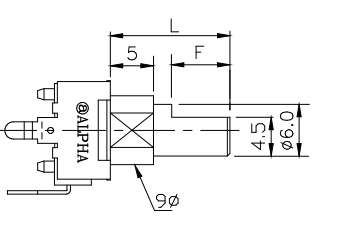
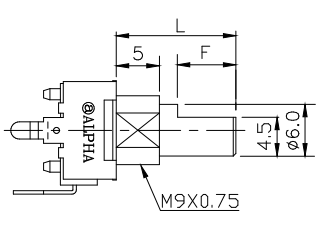
RV09AF, RV09ACF

Order Code	*15F	20F	21F	25F	26F	30F
L	15	20	21	25	26	30
F	6	7	7	7	12	12

RV09BF, RV09BCF

Order Code	*15F	20F	21F	235F	25F	26F	31F	35F	375F
L	15	20	21	23.5	25	26	31	35	37.5
F	6	7	7	7	7	8.25	12	12	12

**15 mm shaft is not available for RV09ACF/BCF models.

RV09AF-20E1N-(L)F RV09BF-20E1N-(L)F RV09AF-20E1-(L)F RV09BF-20E1-(L)F	RV09AF-40E1N-(L)F RV09BF-40E1N-(L)F RV09AF-40E1-(L)F RV09BF-40E1-(L)F
 	 

RV09AF

Order Code	115F	125F	165F	175F	215F
L	11.5	12.5	16.5	17.5	21.5
F	6.5	7	7	12	12

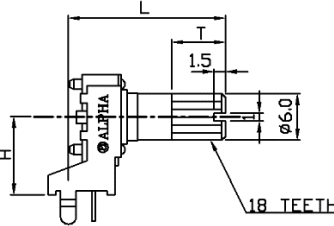
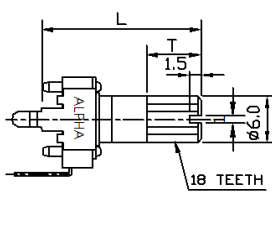
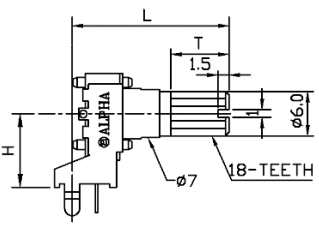
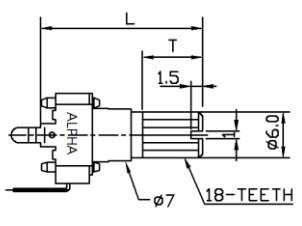
RV09BF

Order Code	115F	125F	15F	165F	165F	165F	175F	215F	225F	265F	29F
L	11.5	12.5	15	16.5	16.5	16.5	17.5	21.5	22.5	26.5	29
F	6.5	7	7	7	8.25	12	12	12	12	12	12

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■ B TYPE

RV09AF-20(21)-(L)B RV09BF-20(21)-(L)B	RV09AF-40-(L)B RV09BF-40-(L)B	RV09ACF-20-(L)B RV09BCF-20-(L)B	RV09ACF-40-(L)B RV09BCF-40-(L)B
			

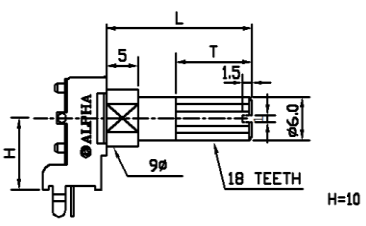
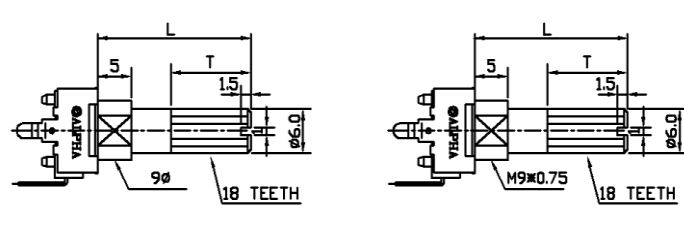
RV09AF, RV09ACF

Order Code	20B	25B
L	20	25
T	7	7

RV09BF, RV09BCF

Order Code	20B	25B	30B
L	20	25	30
T	7	7	7

**15 mm shaft is not available for RV09ACF/BCF models.

RV09AF-20E1N-(L)B RV09BF-20E1N-(L)B RV09AF-20E1-(L)B RV09BF-20E1-(L)B	RV09AF-40E1N-(L)B RV09BF-40E1N-(L)B RV09AF-40E1-(L)B RV09BF-40E1-(L)B
	

RV09AF

Order Code	115B	165B
L	11.5	16.5
T	7	7

RV09BF

Order Code	115B	165B	215B	25B
L	11.5	16.5	21.5	25
T	7	7	7	7

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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