ALPHA

12mm Rotary Type, Metal Shaft Series

Application

✓ Audio, Home appliance, Automotive, Communication

Feature

✓ Suit for various applications

■Specification

Total Rotational Angle	300±5°
Maximum Operating Voltage	100V AC
Insulation Resistance	50MΩ at DC500V
Dielectric Strength	AC 500V for 1 minute
Rotational Torque	RV120DF: 20-150 gf.cm; Others: 10-150 gf.cm
Click Torque	50-300 gf.cm
Rotational Stop Strength of the Shaft	RV120DF: 4 kgf.cm; Others: 3 kgf.cm min
Push/Pull Strength of the Shaft	10kgf for 10 sec
Rotation Life	15,000 cycles

■How to order

RV120F – 10 B1 – 15F – A50K – 0C

Model

Bushing Type

RV120DF-20B1, RV120DF-40B1

Order Code	Length
B1	5 mm

Other Model

Order Code	Length
B1	5 mm
Blank	7 mm

Metal Shaft Type

Click

Model	Order code	Description
RV120DF	1	No click
	1C	With center click
Other	Blank	No click
	0C	With center click

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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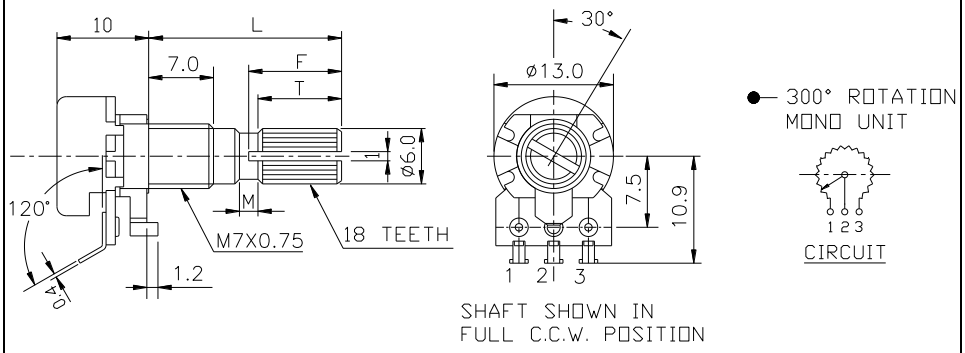
■Model Description

Model	Number of Unit	Switch Function	Terminal Type	With Sleeve or Bushing	Rotational Angle
RV120F-10	Single unit	N/A	Solder lug	Metal bushing	300°±5°
RV120F-20	Single unit	N/A	Horizontal	Metal bushing	300°±5°
RV120F-21	Single unit	N/A	Horizontal	Metal bushing	300°±5°
RV122F-10	Dual unit	N/A	Solder lug	Metal bushing	300°±5°
RV122F-20	Dual unit	N/A	Horizontal	Metal bushing	300°±5°
RV122F-21	Dual unit	N/A	Horizontal	Metal bushing	300°±5°
RV124F-20	Quad unit	N/A	Horizontal	Metal bushing	300°±5°
RV124F-21	Quad unit	N/A	Horizontal	Metal bushing	300°±5°
RV120DF-20B1	Single unit	N/A	Horizontal	Metal bushing	300°±5°
RV120DF-40B1	Single unit	N/A	Vertical	Metal bushing	300°±5°

Order Code	Outline Drawing
RV120F-10	

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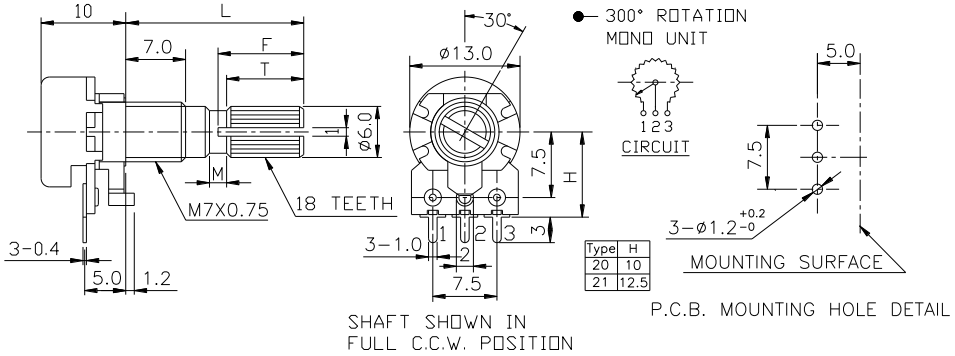
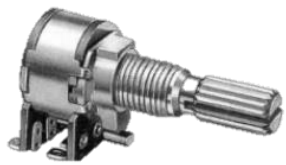
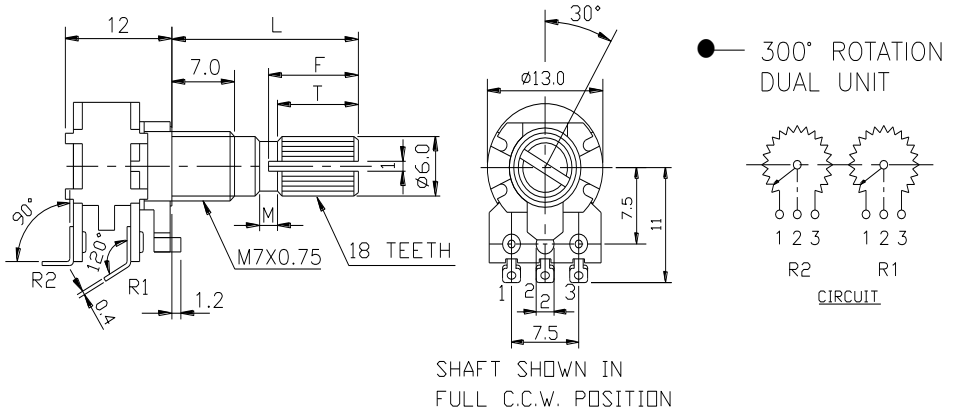
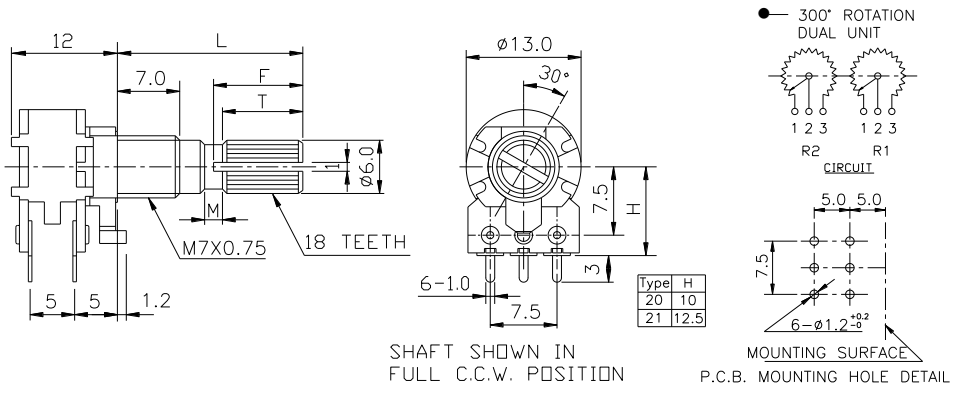
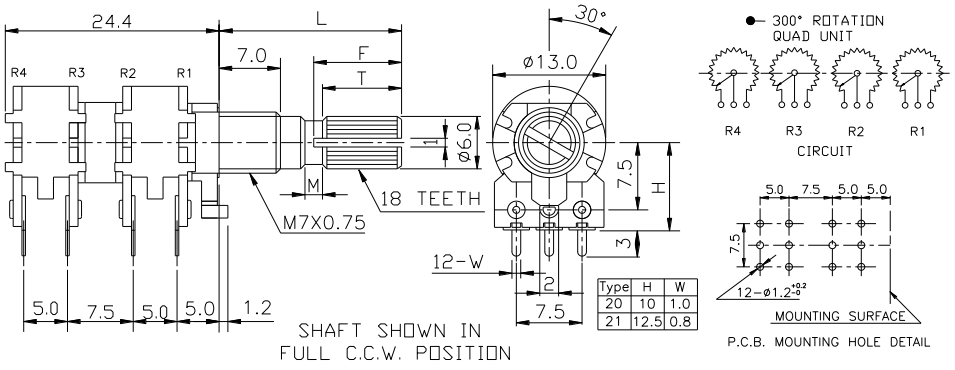
Order Code	Outline Drawing
RV120F-20 RV120F-21 	
RV122F-10 	
RV122F-20 RV122F-21 	
RV124F-20 RV124F-21 	

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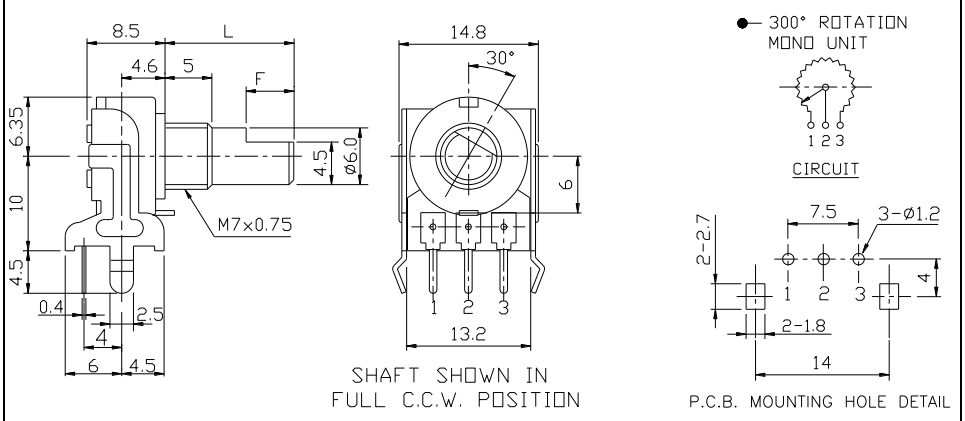
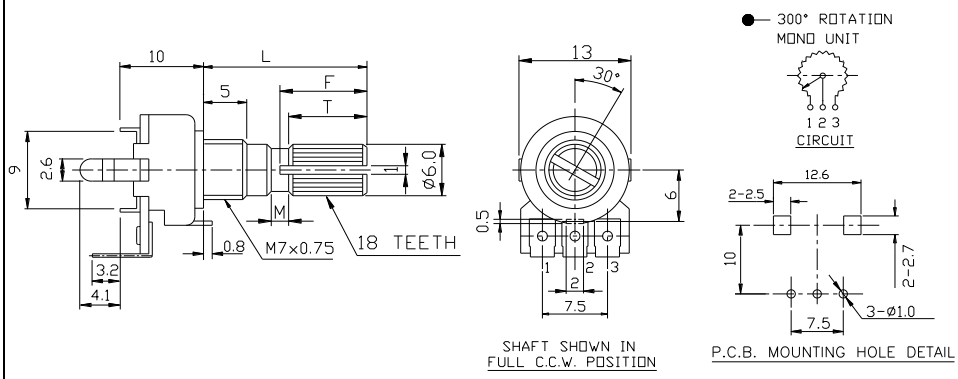
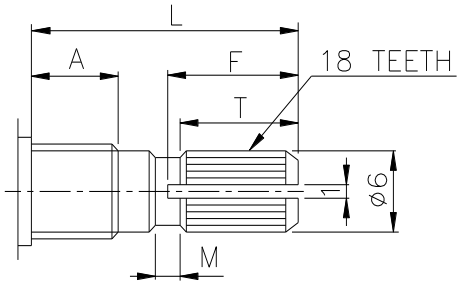
Order Code	Outline Drawing
RV120DF-20B1	
RV120DF-40B1	

■ Metal Shaft Type

K Type



RV120DF-20B1
RV120DF-40B1

A : 5mm

Order Code	L	T	F	M
15K	15	6	6.5	1
20K	20	10	11	2
25K	25	12	14	4

RV120F Other Models

A : 7mm

Order Code	L	T	F	M
15K	15	6	6.5	1
20K	20	10	11	2
25K	25	12	14	4

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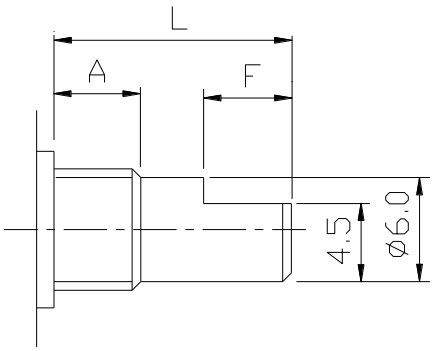
■ Metal Shaft Type

F Type



RV120DF-20B1
RV120DF-40B1

A : 5mm

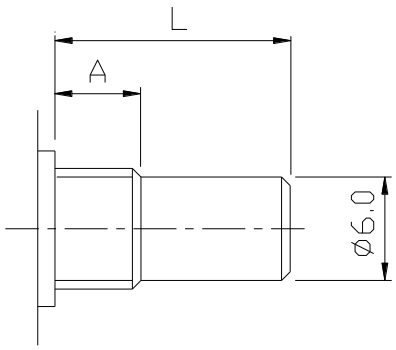
Order Code	L	F
15F	15	7
20F	20	12
25F	25	14

RV120F Other Models

A : 7mm

Order Code	L	F
15F	15	7
20F	20	12
25F	25	14

R Type



A : 5mm & 7mm

Order Code	L
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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