

Rotary Potentiometer > RK12L Series > RK12L12A0C0R

Series Common Info

12mm Size Insulated Shaft Snap-in Type RK12L Series

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PRINT

Part number		RK12L12A0C0R
Number of resistor elements		Dual-unit
Mounting direction		Horizontal type
Shaft types		Flat
Length of the shaft LM1		30mm
Center detent		Without
Total resistance		10kΩ
Resistance taper		15A
Operating temperature range		-10℃ to +70℃
Electrical Performance	Total resistance tolerance	±20%
	Rated power	0.05W
	Maximum operating voltage	50V AC for AC only
	Gang error	-40dB to 0dB 3dB max.
	Insulation resistance	100MΩ min. 250V DC
	Voltage proof	300V AC for 1 minute
Mechanical Performance	Total rotational angle	300°±5°
	Rotational torque	2 to 15mN·m
	Stopper strength	0.5N·m
	Push-pull strength	80N max.
	Vibration	10 to 55 to 10Hz/min., the amplitude is 1.5mm for all the frequencies, in the 3 direction of X, Y and Z and for 2 hours respectively
Durability	Operating life	15,000 cycles
Minimum order unit (pcs.)	Japan	800
	Export	1,600

Unit : mm

Technical drawing of the 1000 Series Servomotor showing front and side views with dimensions in mm.

Front View Dimensions:

- Total width: 30
- Distance from mounting flange to shaft center: (8.6)
- Shaft diameter: $\phi 6$
- Shaft length: 12
- Shaft extension length: 4.5
- Shaft end radius: R3
- Mounting flange outer diameter: 10
- Mounting flange thickness: (3.2)
- Mounting flange inner diameter: (3.5)
- Mounting flange hole diameter: 2
- Mounting flange hole spacing: 2.6
- Mounting flange hole diameter: 5.9
- Mounting flange hole diameter: 0.6

Side View Dimensions:

- Total height: 12
- Shaft center to bottom edge distance: 6
- Shaft center to top edge distance: 9.5
- Shaft center to bottom edge distance: 0.3
- Shaft center to top edge distance: (14)
- Shaft center to bottom edge distance: 60°

Shaft shown in full CCW position

Unit : mm

12.2

3.3

2

2.1

6

2

2

2

2

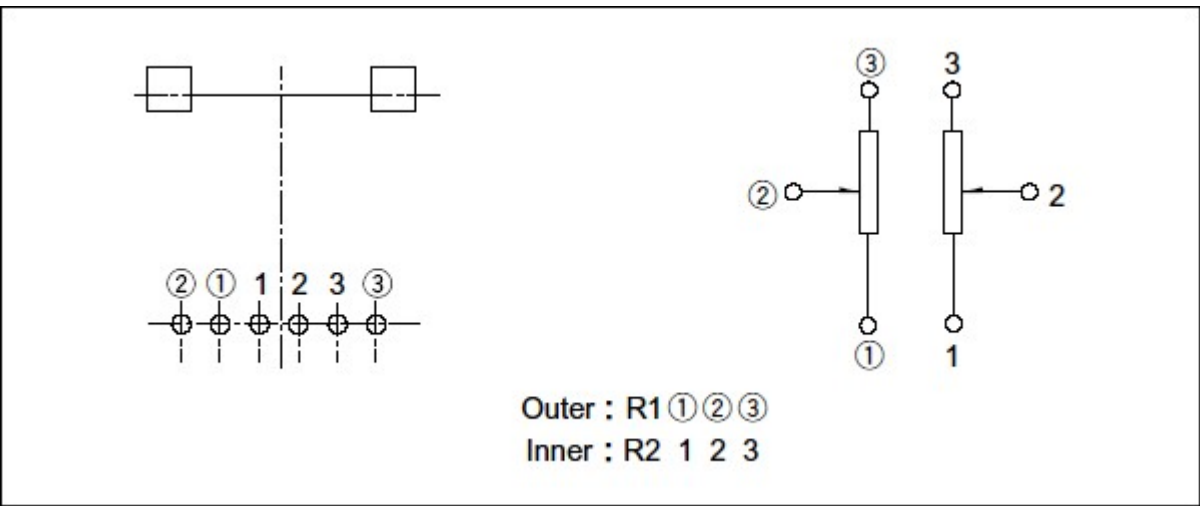
2

2

6-ø0.8 holes

Viewed from mounting side.

Terminal Layout / Circuit Diagram



Packing Specifications

Tray

Number of packages (pcs.)	1 case / Japan	800
	1 case / export packing	1,600
Export package measurements (mm)		374×532×240

Soldering Conditions

Reference for Dip Soldering

Preheating	Soldering surface temperature	100℃ max.
	Heating time	1 min. max.
Dip soldering	Soldering temperature	260℃ max.
	Soldering time	5s max.
No. of solders		2 time max.

Reference for Hand Soldering

Tip temperature	350℃ max.
Soldering time	3s max.
No. of solders	1 time

Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.

2. Please place purchase orders per minimum order unit (integer).
3. Products other than those listed in above products are also available. Please contact us for details.

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