

# 12mm Size Insulated Shaft Snap-in Type RK12L Series

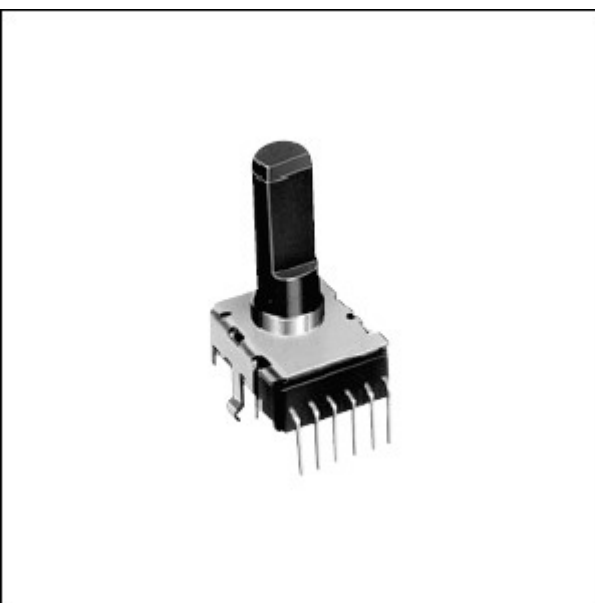
[Photo](#) | 
 [Dimensions](#) | 
 [Mounting Hole Dimensions](#) | 
 [Terminal Layout / Circuit Diagram](#) | 
 [Packing Specifications](#) | 
 [Soldering Conditions](#) |

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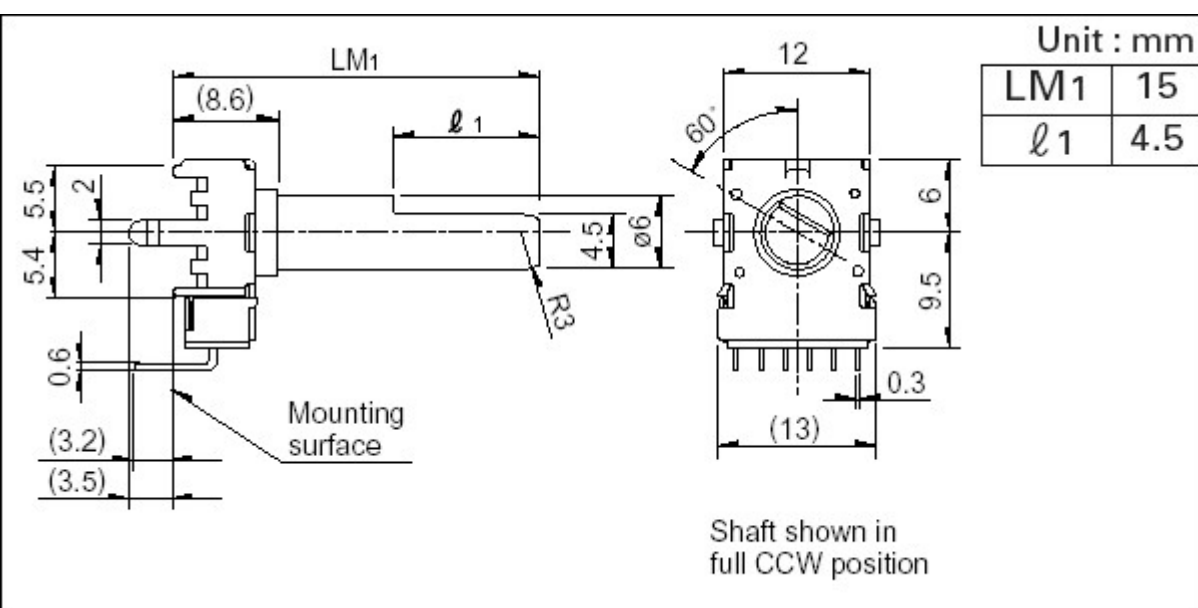
|                             |                            |  |
|-----------------------------|----------------------------|--|
| Part number                 |                            | <b>RK12L12C0C0V</b>  |
| Number of resistor elements |                            | Dual-unit  |
| Mounting direction          |                            | Vertical type  |
| Shaft types                 |                            | Flat   |
| Length of the shaft LM1     |                            | 15mm   |
| Center detent               |                            | Without  |
| Total resistance            |                            | 50kΩ   |
| Resistance taper            |                            | 15C  |
| 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                      | 1,200  |
|                             | Export                     | 2,400  |



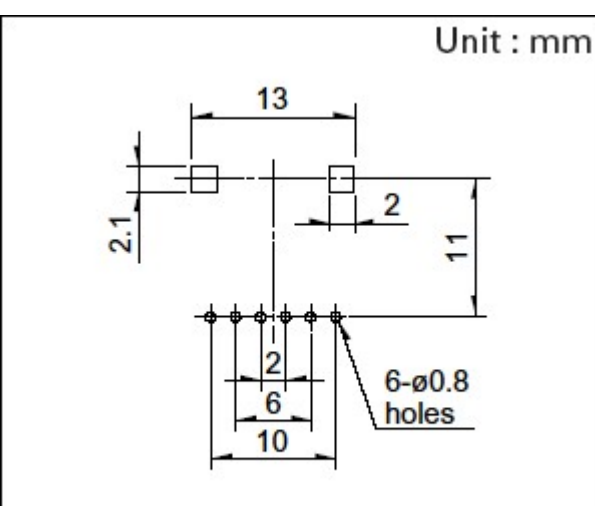
## Photo



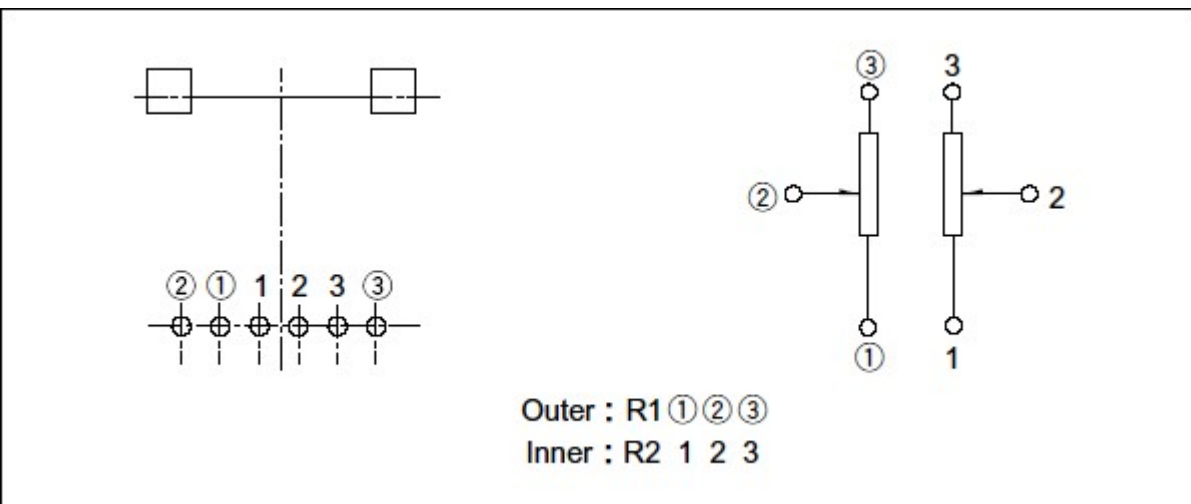
## Dimensions



## Mounting Hole Dimensions



## Terminal Layout / Circuit Diagram



## Packing Specifications

## Tray

|                                  |                         |       |
|----------------------------------|-------------------------|-------|
| Number of packages (pcs.)        | 1 case / Japan          | 1,200 |
|                                  | 1 case / export packing | 2,400 |
| 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).