

ALPS ALPS Manufacturer of Electronic Components/Parts Catalog X CLOSE

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9mm Size Metal Shaft Multi-ganged Type Potentiometer RK097/RK098 Series

Detail

▶ Single-shaft with rotary switch type

Part number | RK09711110AL

Number of resistor elements	Single-unit
Mounting direction	Horizontal type
Shaft types	Flat
Length of the shaft	20mm
Center detent	Without
Total resistance	10kΩ
Resistance taper	15A
Minimum order unit (pcs.)	700

Operating temperature range		-20°C to +70°C	
Electrical Performance	Total resistance tolerance		±20%
	Rated power		0.05W
	Maximum operating voltage		50V AC, 10V DC
	Residual resistance		20Ω 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 25mN·m
	Stopper strength		0.5N·m
	Push-pull strength		100N 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
	Solder heat resistance	Manual soldering	350°C max. 3s max.
Dip soldering		260±5°C, 5±1s	
Durability	Operating life		15,000 cycles
Environmental test	Cold		-30±2°C for 96h
	Dry heat		70±2°C for 96h
	Damp heat		40±2°C, 90 to 95%RH for 96h
Specifications switches	Contact arrangement		Single pole single throw (Rotary switch: 5R1211)
	Changeover angle		50° max.
	Operation torque		50mN·m max.
	Ratings		3A 16V DC
	Contact resistance		100mΩ for initial period; 200mΩ after operating life
	Operating life		10,000 times min.

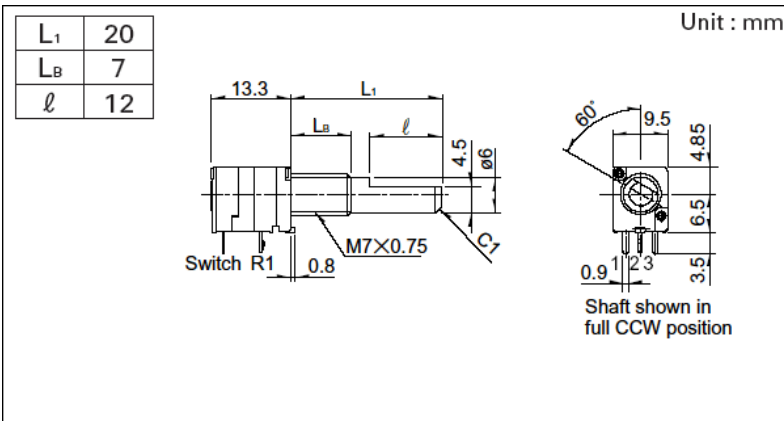
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[Photo](#)



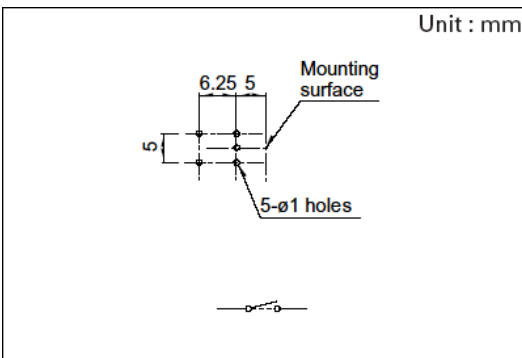
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• Dimensions



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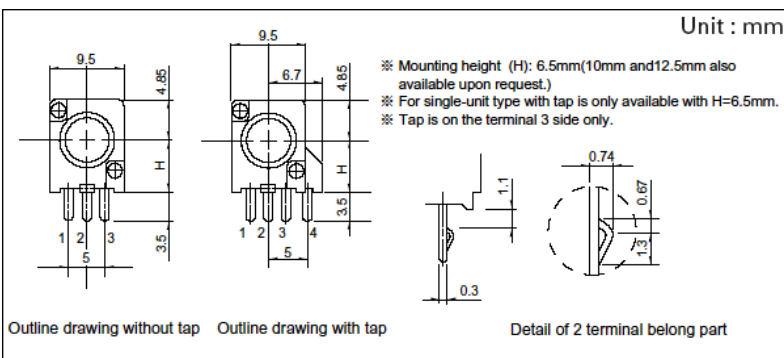
• Mounting Hole Dimensions



Viewed from mounting side.

TOP

• Dimensions of Terminal



TOP

• Dimensions of Bushings

Bushing	M6	M7
Dimensions		
Applications	For single-shaft only	For single and dual-shaft

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• Attached Parts

Hexagonal nut (Unit: mm)	
Flat washer (Unit: mm)	
Bearing screw diameter	M9

These parts are attached to the following products.

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NOTE Notes are common to this series/models.

- This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- For the switch attached, the single-shaft or inner shaft of the dual-shaft type can be chosen.
- Please place purchase orders per minimum order unit (integer).
- Products other than those listed in above products are also available. Please contact us for details.
- This products can be used in vehicles.
Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.

Inquiries about Products

For more information please contact: Products Information Center.

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