

Hollow Shaft Type Devices

39mm LED Illuminated Potentiometer

RK39A Series



This LED illuminated potentiometer is most suitable for knob design of various set devices.



Typical Specifications

Items	Specifications
Contact resistance	±20%
Total Rotational angle	220±5°(290 deg. max.)
Detent torque	40±16 mN·m
Operating life	30,000cycles
Operating temperature range	-40 to +85

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Product Line

Total resistance	Resistance taper	Number of positions	Rotational angle	Detent torque (mN·m)	LED	Minimum order unit(pcs.)	Product No.
5k	B	17	220°	40	RED	500	RK39A1A00007

Notes

1. Products other than those listed in the above chart are also available. Please contact us for details.
2. We can also provide LED colors other than the above mentioned. Contact us if you have such requirements.

Encoder Type





Potentiometer Type

Dimensions

Unit:mm

Style	PC board mounting hole dimensions

List of Varieties

Type	Potentiometer				
	39mm size	45mm size			
Series	RK39A	RK45A	RK45B	RK45C	
Photo					
Output	Potentiometer				
Outline specifications	Shaft types	Hollow shaft			
	Operating direction	Vertical			
	Number of pulse/ Number of detent	—————			
	Push switch (Travel mm)	Without			
	Optional functions	LED illuminate	—————	LED illuminate	
	Changeover angle	—————			
Dimensions (mm)	W	39	44.5	45	39
	D	40	45	45.5	40
	H	8.5	9	9.5	8.5
Soldering	Manual soldering	350 max. 3s max.			
	Dip soldering	260±5 , 5s max.	260 max. 5s max.	260±5 , 5s max.	
	Reflow soldering	—————			
Operating temperature range	-40 to +85				
Electrical performance	Output wave	—————			
	Insulation resistance	10M min. 50V DC			
	Voltage proof	50V AC for 1minute			
Mechanical performance	Detent torque	40±16mN·m	Shall be in accordance with individual specifications.		40±16mN·m
	Terminal strength	3N for 10s.			
	Actuator strength	Pushing direction	100N		
		Pulling direction	50N		
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 for 2 hours respectively				
Environmental performance	Cold	-40 ± 3 for 240h			
	Dry heat	85 ± 3 for 240h			
	Damp heat	40 ± 2 , 90 to 95%RH for 240h			
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Note

※ The operating temperature range for automotive applications can be raised upon request. Please contact us for requirements of this kind.