





Through Shaft Type

for knob design of various set devices



Typical Specifications

Items	Specifications		
Titellis	RK45B	RK45C	
Contact resistance	±20%		
Maximum operating voltage	50V AC, 30V DC		
Detent torque	$180^{\circ}\pm5^{\circ}$ $(Customizable up to 270^{\circ})$ $(Customizable up to 270^{\circ})$		
Operating life	30,000 cycles		
Operating temperature range	-40°C to +85°C		

Product Line

Total	Resistance	Number of	Rotational	Detent torque	LED	Minimum ord	er unit (pcs.)	Product No.	Drawing	
resistance	taper	positions	angle	(mN·m)	LLD	Japan	Export	110000110.	No.	
		8	180°±5°	55±20			200	RK45B1A00001	1	$\underline{\wedge}$
5kΩ	В	17	100 10	40±16	Red	200	200	RK45B1A00002	2	\triangle
		17	220°±5°	40±16			400	RK45C1A00003	3	-

Notes

- 1. Other varieties are also available. Please inquire.
- 2. We can also provide LED colors other than the above mentioned. Please contact us if required.

Packing Specifications

Tray

Products No.	Number of pa	Export package measurements (mm)	
	1 case / Japan	1 case / export packing	mededicinente (mm)
RK45B 200		200	540×360×205
RK45C 200		400	540×360×380

*Products marked with a <u></u> are not recommended for new designs

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Dimensions PC board mounting hole dimensions No. Photo Style (Viewed from mounting side) RK45B1A00001 (With LED) Mounting Surface 1 6-3.5 RK45B1A00002 (With LED) \triangle Mounting Surface (3.2)(1.2) 2 RK45C (With chip LED) 2-1.8 2-02.6 3

Ring Type Potentiometers / Soldering Conditions

■ Reference for Manual Soldering

Series	Tip temperature	Soldering time	No. of solders	
RK39A, RK45B, RK45C	350°C max.	3s max.	1 time	

Reference for Dip Soldering

Series	Preheating		Dip soldering		No. of solders
	Soldering surface temperature	Heating time	Soldering temperature	Soldering time	No. or solders
RK39A, RK45B, RK45C	100°C max.	2min. max.	260°C max.	5s max.	2 time max.

List of Varieties

	Type	39mm size	45mm size				
Series		RK39A	RK45B	RK45C			
	Series	Single-unit	Single-unit	Single-unit			
Photo							
	Features	LED illuminate					
	W	39	39 45				
Dimension (mm)	ns D	39.5	45.5				
	Н	8.5	9.5				
Operating	g temperature range		−40°C to +85°C				
0	perating life		30,000 cycles				
Au	tomotive use	•	•	•			
	Life cycle	* 2	* 2	* 2			
	Total resistance (k Ω)	5					
	Resistance taper		В				
Electrical performance	Rated power	0.05W					
	Insulation resistance		10MΩ min. 50V DC				
	Voltage proof	50V AC for 1minute					
	Detent torque	40±16mN·m 50±20mN·m	55±20mN·m 40±16mN·m	40±16mN·m			
	Number of positions	6, 17	8, 17	17			
Mechanical performance	Stopper strength	1N·m					
	Push-pull strength	100N (Push), 50N (Pull)					
	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					
Terminal type			Insertion				
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Ring Type Potentiometers Soldering Conditions $\,\cdot\,\cdot\,\cdot\,\cdot\,\cdot$ Potentiometers Measurement and Test Methods $\ \cdot \ \cdot \ \cdot \ \cdot \ \cdot$ Potentiometers Resistance Taper

Note

Indicates applicability to all products in the series.

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