
















Index for Function

Type	Model	Appearances	Outlined specifications			Minimum packing unit ※1, ※2 (pcs.)	Page	
			Number of unit potentiometer	Mounting direction	Bushing			
9mm	RK09K111 RK09D111		Single-unit	Horizontal	Without	100	55	
	RK09K113 RK09D113			Vertical				
	RK09K12A		Dual-unit	Horizontal				
	RK09K12C			Vertical				
11mm	RK11K111		Single-unit	Horizontal	Without		62	
	RK11K113			Vertical				
	RK11K112			Dual-unit	Horizontal			With
	RK11K114				Vertical			
14mm	RK14K121 RK14K12A		Dual-unit	Horizontal	Without			66
	RK14K123 RK14K12C			Vertical				
	RK14K122 RK14K12B			Dual-unit	Horizontal	With		
	RK14K124 RK14K12D				Vertical			
12mm	RK12L121 RK12L12A		Dual-unit	Horizontal	Without	70		
	RK12L123 RK12L12C			Vertical				
9mm	RK09Y11		Single-unit	Horizontal	Without	73		

- Insulated Shaft Potentiometers Products Specifications75
- Insulated Shaft Potentiometers Caution76, 77

Notes

1. ※1. Place your purchase order in N minimum package units (N: integer).
2. ※2. Ask us for the export packaging unit.

Products Specifications

Items		Type	9mm size		11mm size	12mm size 14mm size	
		Model	RK09K11□ RK09D11□	RK09K12□	RK11K11□	RK12L12□ RK14K12□	
			Single-unit	Dual-unit	Single-unit	Dual-unit	
Operating temperature range		-10°C to +70°C					
Electrical performance	Total resistance tolerance	±20%	±30%	±20%			
	Rated power	0.05W	0.03W	0.05W	0.05W		
	Maximum operating voltage	50V AC 20V DC	50V AC For AC only	50V AC 20V DC	50V AC For AC only		
	Insulation resistance	100MΩ min. 250V DC		100MΩ min. 500V DC	100MΩ min. 250V DC		
	Voltage proof	1 minute 250V AC		1 minute 500V AC	1 minute 300V AC		
	Gang error	—	-40dB to 0dB within 3dB	—	Volume control -40dB to 0dB max. 3dB For tone control within 2dB at center		
Mechanical performance	Total rotational angle		300° turning type is also available for the single unit		300±10°		
	Rotational torque		1 to 8mN·m		3 to 20mN·m		
	Strength of the operating section	Stopper strength	0.3N·m		Without bushing 0.5N·m With bushing 0.6N·m	14mm 0.6N·m 12mm 0.5N·m	
		Push-pull strength	50N max.		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				
	Solderability		230±5°C, 3±0.5s				
	Solder heat resistance	Manual soldering	Lower than 350°C for less than 3 seconds				
	Endurance	Operating life	5,000 cycles		Without detent : 10,000 cycles With detent : 5,000 cycles		
Environmental test	Cold	-10°C for 96h					
	Long-term heat resistance	+70°C for 96h					
	Moisture resistance	+40±2°C, 90 to 95%RH for 96h					

Rotary Potentiometers

Slide Potentiometers

Trimmer Potentiometers

Multi Control Devices

Position Sensors

Metal Shaft

Insulated Shaft

Knob Operating