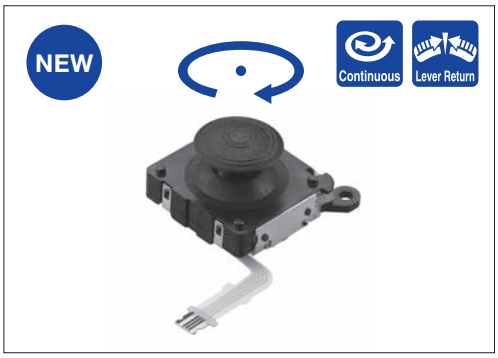
RKJXY ThumbPointer™ (Low-profile Stick Controller)

Low-profile tilting stick controller with excellent operating feel



Typical Specifications

Items	Specifications
Rated power	0.025W
Maximum operating voltage	5V DC
Operating angle	One side15.5° ±3.4°
Operating force	0.43±0.25N
Operating life	1,000,000 cycles

Product Line

Product No.	Lever return mechanism	Center-push	Total resistance (kΩ)	Resistance taper	Minimum order unit (pcs.)	
					Japan	Export
RKJXY1000006	With	Without	2	B	2,000	2,000

Packing Specifications

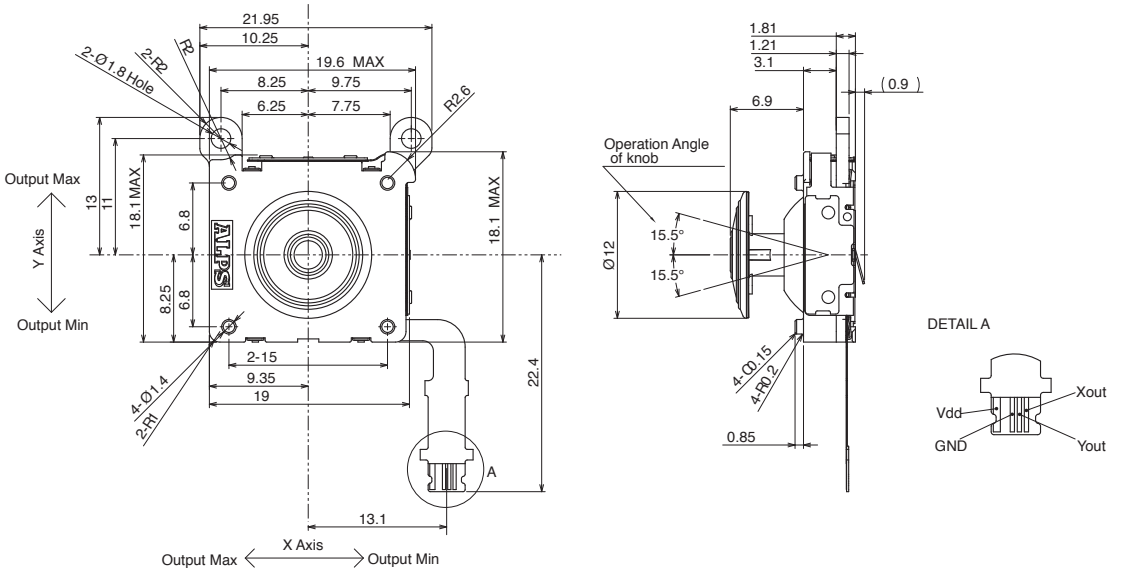
Tray

Number of packages (pcs.)		Export package measurements (mm)
1 case / Japan	1 case / export packing	
2,000	2,000	360×540×230

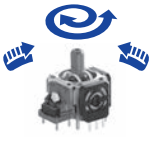
Dimensions

Unit:mm

Style



List of Varieties

Type			Variable resistor type			
Series			**RKJXK**	**RKJXV**	**RKJXY**	**RKJXU**
Photo					NEW 	NEW 
Dimensions (typical value) (mm)	W		20.7	17.8	19.6	18.6
	D		25.4	21.3	18.1	24.3
	H		12.9	11.2	4.9	5.2
Number ofoperating shafts			Single-shaft			
Shaft material			Metal	Resin		
Directional resolution			Continuous			
Directional operating feeling (tactile feeling)			Without			
Lever return mechanism			With / Without	With		
Center-push switch			With / Without		Without	
Encoder			Without			
Operating temperature range			−10℃ to +70℃			
Operating life	Directional operation		100,000 cycles	2,000,000 cycles	1,000,000 cycles	2,000,000 cycles
	Center-push		100,000 cycles	500,000 cycles	—	—
Automotive use			—	—	—	—
Life cycle (availability)						
Electrical performance	Insulation resistance		100MΩ min. 250V DC		—	—
	Voltage proof		250V AC for 1 minute		—	—
	Slider noise		300mV p-p max. by JIS method			
Mechanical performance	Directional operating force		8mN·m max. Without Lever return mechanism 6±4mN·m With Lever return mechanism	14±10mN·m	0.43±0.25N	0.73±0.3N
	Push operating force		5.2±2.6N	7.4±3N	—	—
	Lever return precision		±5°			±0.1mm
	Actuator strength	Push / pull directions	50N min. (Push/Pull)	98N min. (Push), 50N min. (Pull)	100N min. (Push), 49N min. (Pull)	100N min. (Push), 30N min. (Pull)
		Operating direction	0.3N·m	—	50N	
Environmental performance	Cold		−30℃ 96h			
	Dry heat		80℃ 96h			
	Damp heat		60℃, 90 to 95%RH 96h			
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Variable Resistor Type Multi Control Devices Soldering Conditions · · ·