

16mm Size Motor-driven Type RK168 Series

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PRINT

Part number	RK16814MGA0K	
Number of resistor elements	Quad-unit	
Mounting direction	Horizontal type	
Fixing method of bushing	Screw	
Shaft types	Flat	
Length of the shaft	25mm	
Total resistance	100kΩ	
Resistance taper	15A	
Motor print terminal	Without	
Motor voltage	4 to 6V DC (standard: 4.5V)	
Potentiometer rotational speed	12±3 sec/300° (4.5V DC)	
Maximum operating current	At rotation: 100mA/At end slip: 150mA	
Operating temperature range	-10 to +70	
Electrical Performance	Total resistance tolerance	±20%
	Rated power	0.05W
	Maximum operating voltage	50V AC
	Maximum attenuation	100dB min.
	Gang error	-60dB to 40dB 5dB max. -40dB to 0dB 3dB max.
	Insulation resistance	100MΩ min. 250V DC
	Voltage proof	300V AC for 1 minute
Mechanical Performance	Total rotational angle	300°±5°
	Rotational torque	10 to 40mN·m
	Stopper strength	0.9N·m

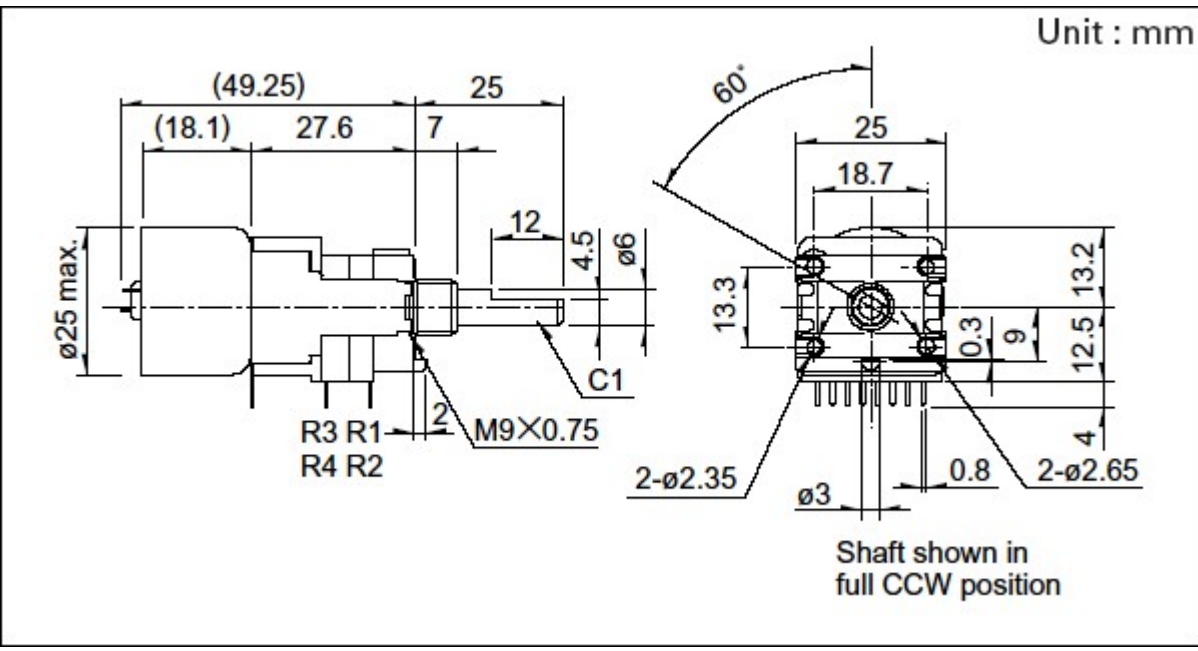
Push-pull strength		100N max.
Vibration		10 to 55 to 10Hz/min., the amplitude is 1.5mm for all the frequencies, in the 3 direction of X, Y and Z and for 2 hours respectively
Durability	Operating life	15,000 cycles
Minimum order unit (pcs.)	Japan	200
	Export	200

- 3D CAD (STEP) [↓](#)
- Certificate of Compliance to RoHS regulations [↓](#)

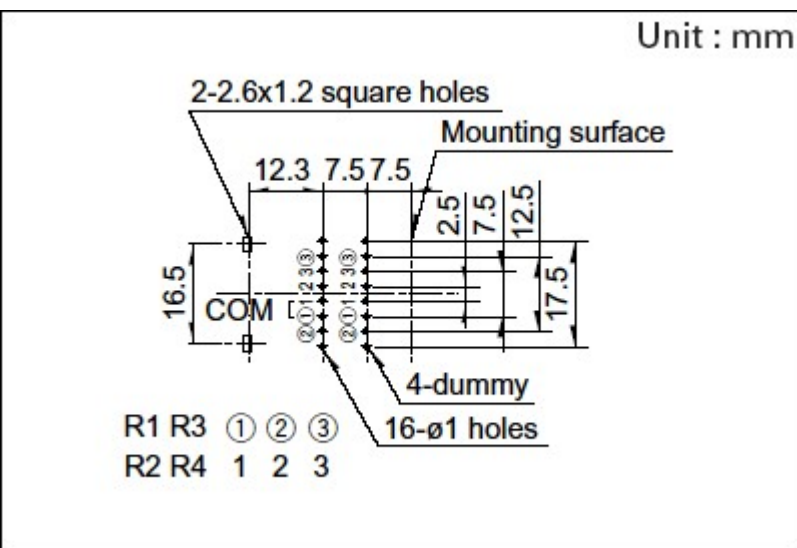
Photo



Dimensions

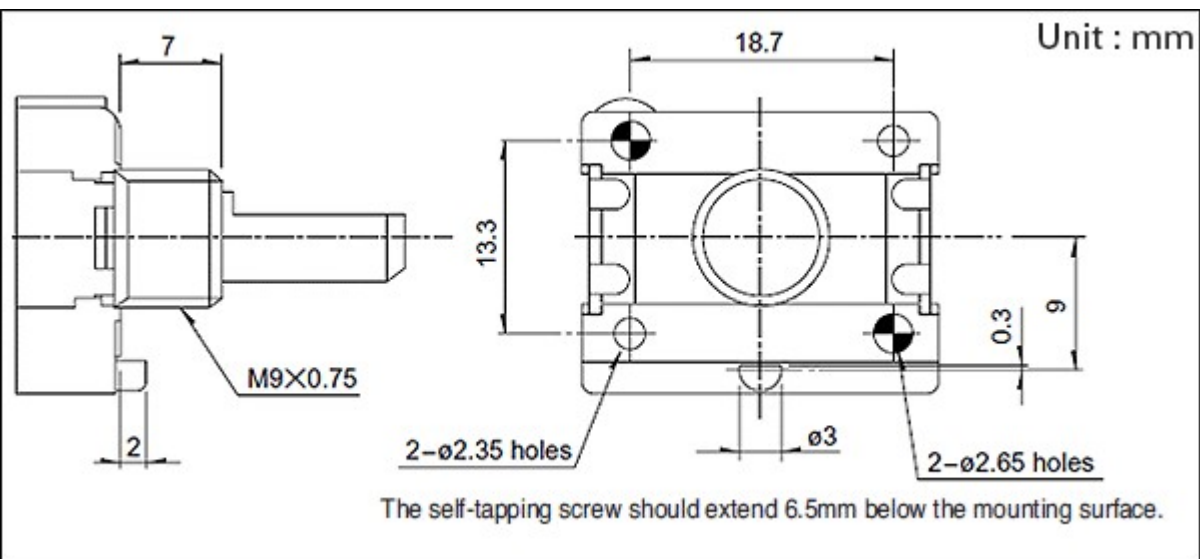


Mounting Hole Dimensions

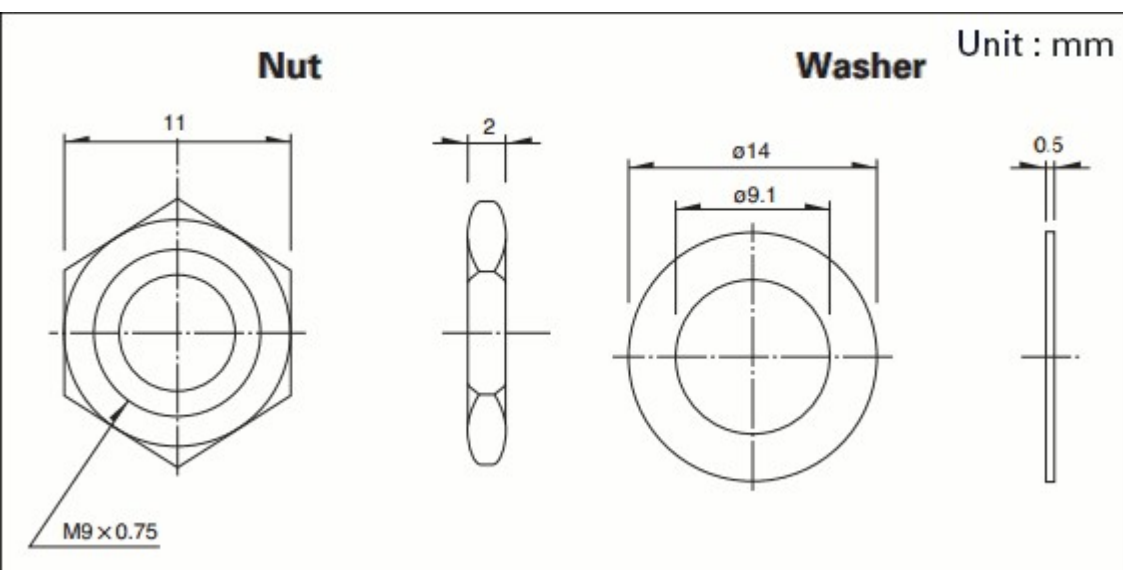


Viewed from mounting side.

Standard Dimensions of Bushing and Fixing Lug



Attached Parts



These parts are attached to the following products.

Packing Specifications

Tray

Number of packages (pcs.)	1 case / Japan	200
	1 case / export packing	200
Export package measurements (mm)	368×527×215	

Soldering Conditions

Reference for Hand Soldering

Tip temperature	300℃ max. (Potentiometer terminal), 350℃ max. (Motor terminal)
Soldering time	3s max. (Potentiometer terminal), 2s max. (Motor terminal)
No. of solders	1 time

Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).
3. Products other than those listed in above products are also available. Please contact us for details.

Inquiries about Products

 [Inquiry](#)