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**16mm Size Motor-driven Type RK168 Series****Detail**

Part number	RK16812MG099
Number of resistor elements	Dual-unit
Shaft types	Flat
Length of the shaft	25mm
Total resistance	100k $\Omega$
Resistance taper	3B
Motor print terminal	With
Motor voltage	4 to 6V DC (standard: 4.5V)
Potentiometer rotational speed	12 $\pm$ 3 sec/300° (4.5V DC)
Maximum operating current	At rotation: 100mA/At end slip: 150mA
Minimum order unit (pcs.)	200

Operating temperature range	-10... to +70...	
Electrical Performance	Total resistance tolerance	$\pm$ 20%
	Rated power	0.05W
	Maximum operating voltage	50V AC
	Maximum attenuation	100dB min.
	Gang error	-40dB to 0dB 3dB max.
	Insulation resistance	100M $\Omega$ min. 250V DC
	Voltage proof	300V AC for 1 minute
Mechanical Performance	Total rotational angle	300 $\pm$ 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
Solder heat resistance	Manual soldering	300... max. 3s max. Motor terminal: 350... max. 2s max.
Durability	Operating life	15,000 cycles
Environmental test	Cold	-20 $\pm$ 2... for 96h
	Dry heat	70 $\pm$ 2... for 96h
	Damp heat	40 $\pm$ 2..., 90 to 95%RH for 96h

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****Style of Printed Terminal for Motor****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

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  
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