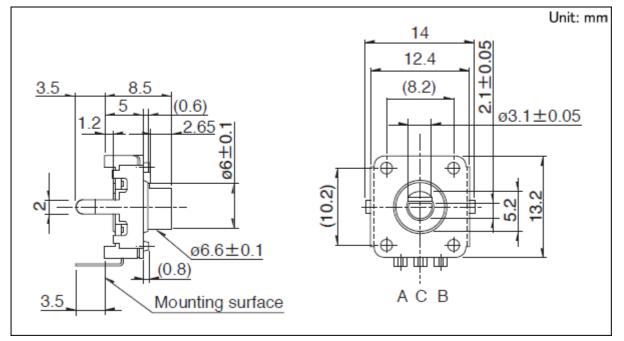


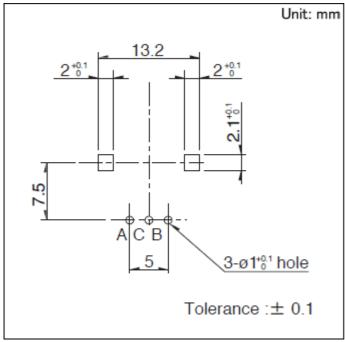
12mm Size Insulated Shaft Type EC12 Series

Actuator length		8.5mm (Hollow shaft)	
Torque		Standard 3 to 20mN·m	
Number of detent		24	
Number of pulse		24	
Operating direction		Vertical	
Operating temperature range		-10℃ to +70℃	
Electrical performance	Ratings	0.5mA 5V DC	
	Output signal	Two phase A and B	
	Max./min. operating current(Resistive load)	5mA/0.5mA	
	Insulation resistance	10MΩ min. 50V DC	
	Voltage proof	50V AC for 1 minute	
Mechanical performance	Detent torque	3 to 20mN·m	
	Push-pull strength	80N	
Durability	Operating life	30,000 cycles	
Minimum order unit (pcs.)	Japan	3,000	
	Export	3,000	

Dimensions

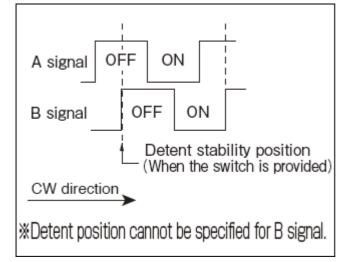


Mounting Hole Dimensions

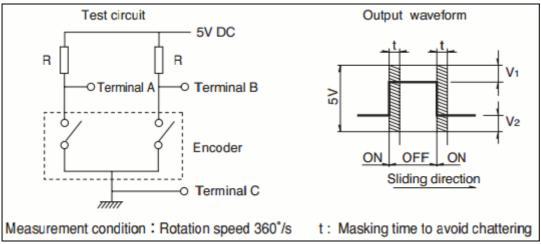


Viewed from mounting face.

Output Wave



Sliding Noise



V1 = V2 = 1.5V max.

At R=10k Ω Chattering: 3ms max. Bounce: 2ms max.

Packing Specifications

Tray

Number of packages (pcs.)	s 1 case / Japan	3,000
	1 case / export packing	3,000
Export package mea	asurements (mm)	525×369×204

Soldering Conditions

Reference for Dip Soldering Soldering surfacetemperature 100°C max. Preheating Soldering time 1 min. max. Dip soldering Soldering temperature 260±5°C Soldering time 3±1s

No.	of	SO	lder	S
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2 time max.

Reference for Hand Soldering				
Tip temperature	350℃ max.			
Soldering time	3s max.			
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 the above chart are also available. Please contact us for details.
- 4. Nuts and washers are not included. If required, please contact us.
- 5. This products can be used in vehicles. (EC12D only)

Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.

