

Incremental Encoder > EC09E Series > EC09E1524417

9mm Size Metal Shaft Type EC09E Series

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Part number [Series Common Info](#)

EC09E1524417



NET SHOP



3D CAD



RoHS



Print



Inquiry

Actuator configuration	Flat
Actuator length	20mm
Number of detent	30
Number of pulse	15
Operating direction	Vertical
Push-on switch	With
Travel of push-on switch	0.5mm
Operating temperature range	
Electrical performance	Ratings

-40°C to +85°C

10mA 5V DC

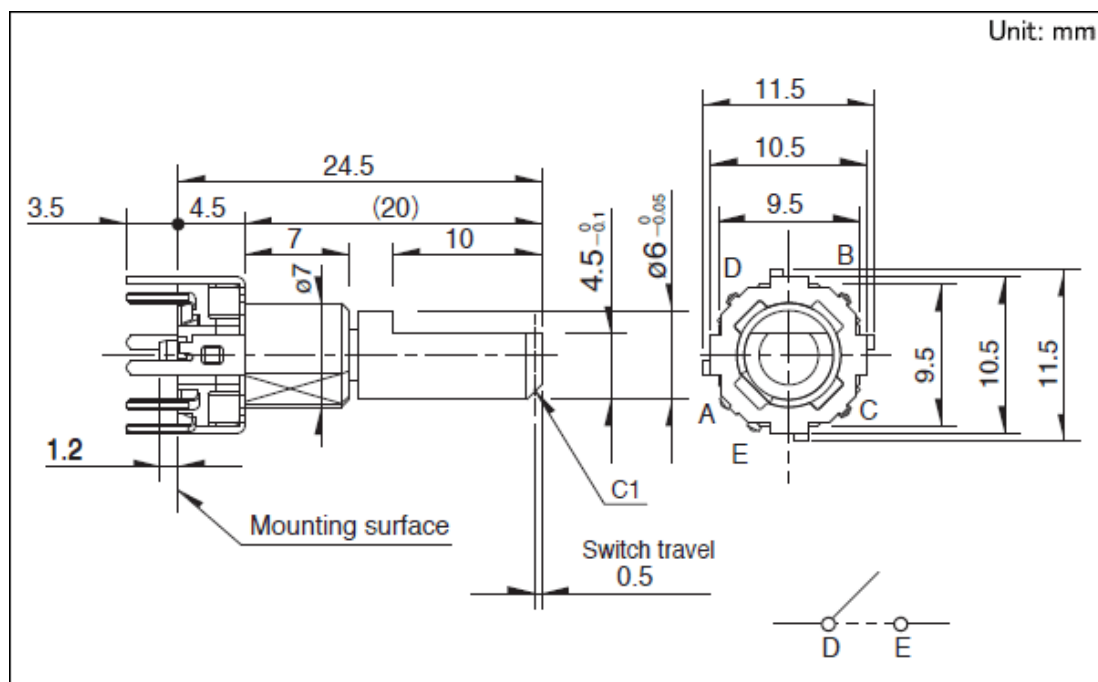
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	Insulation resistance	100M Ω min. 250V DC
	Voltage proof	300V AC for 1 minute or 360V AC for 1s
	Detent torque	8 $\pm$ 5mN·m
	Push-pull strength	100N
Mechanical performance		
Durability	Operating life	15,000 cycles
	Contact arrangement	Single pole single throw (Push-on)
Push-on switch specifications	Travel	0.5 $\pm$ 0.3mm
	Operating force	6(+2.5, -2)N
	Rating	10mA 5V DC (1mA 5V DC min. ratings)
	Contact resistance (Initial performance/After lifetime)	100m Ω max./200m Ω max.
Minimum order unit (pcs.)	Operating life	10,000 times
	Japan 700 Export 1,400	

Dimensions

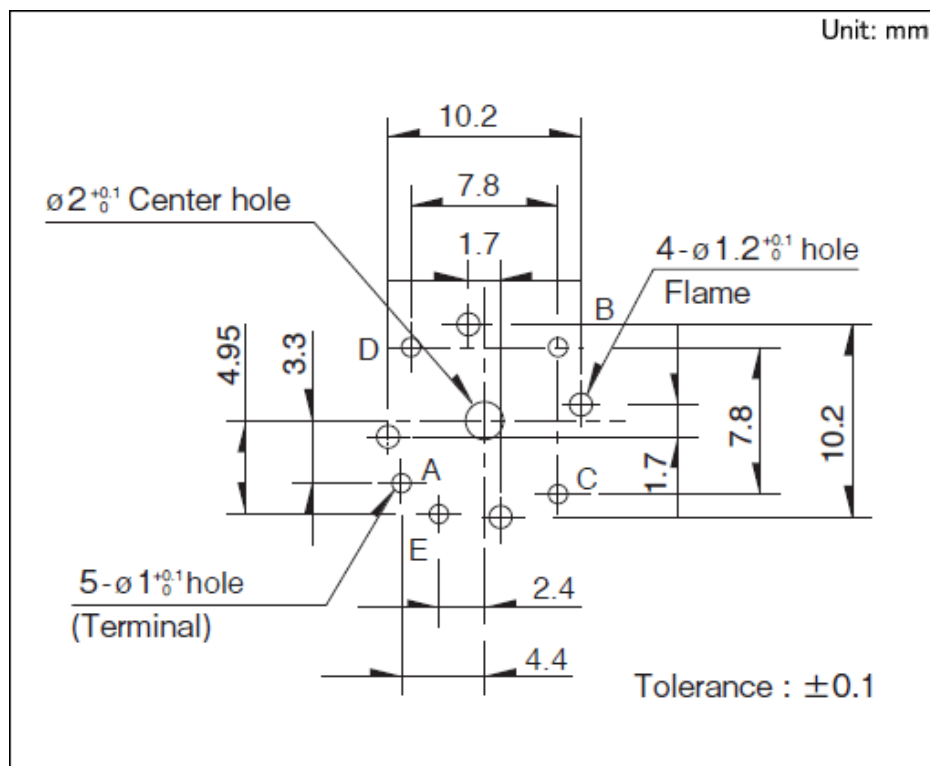


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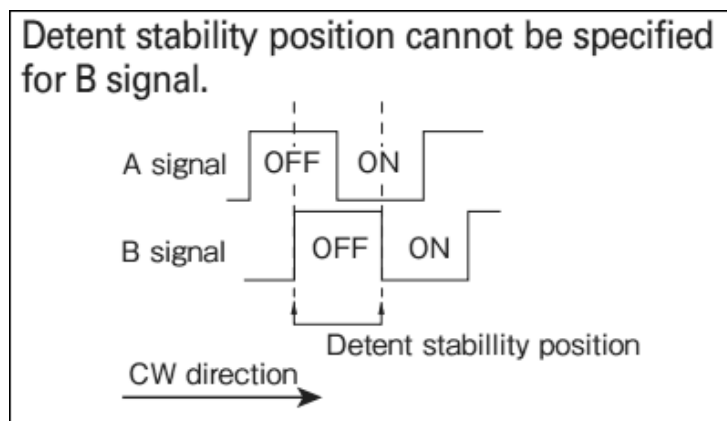
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Mounting Hole Dimensions

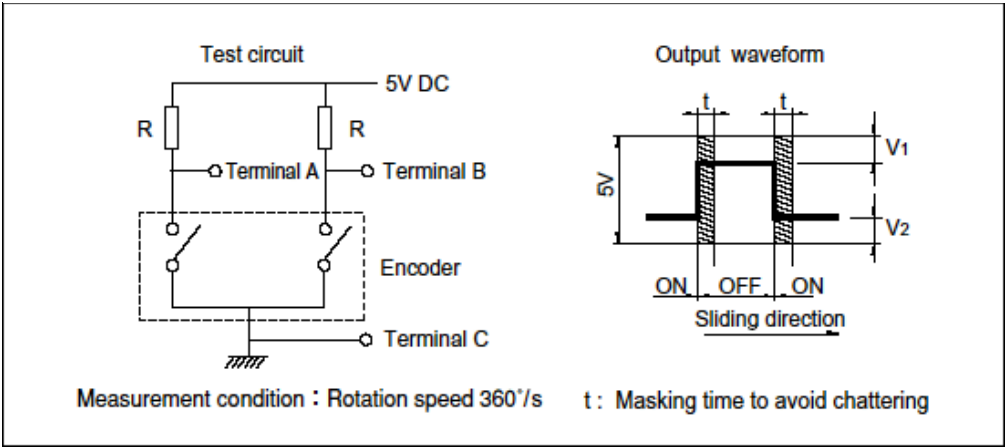


Viewed from mounting side.

Output Wave



Sliding Noise



V1=V2=2.5V max.
At R=5kΩ Chattering: 5ms max. Bounce: 2ms max.

Packing Specifications

Tray

Number of packages (pcs.)	1 case / Japan	700
	1 case / export packing	1,400
	Export package measurements (mm)	529 × 374 × 213

Soldering Conditions

Reference for Dip Soldering

Preheating	Soldering surfacetemperature	100°C max.
	Heating time	2 min. max.
Dip soldering	Soldering temperature	260 ± 5°C
	Soldering time	5 ± 1s
No. of solders		2 time max.

Reference for Hand Soldering

Tip temperature	350°C 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. This products can be used in vehicles.

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.

Inquiries about Products

[Inquiry](#)

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