10 mm Square SMD Encoders

Type: **EVQVV**



■ Features

- Low profile(H=2.2 mm),
  Shaft hole diameters of up to 4 mm.
- Light operation with a rotation torque of 2 mN·m
- Automatic mounting and SMDs.

■ Recommended Applications

- Air conditioning temperature controls
- Input of operation units
- Computer peripherals

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	V	Q	V	V							

Product Code | Specifications | Shaft Trims & Dimensions | Output(Pulses)

■ Specifications

Mechanical	Rotation Angle	360 ° (Endless)
	Rotation Torque	2 mN·m max.
Electrical	Output Signals	Phase A and B
	Resolution	3 pulses/360 °
	Rating	1 mA 10 V DC (at each bit)
	Contact Resistance	10 Ω max.
	Insulation Resistance	50 MΩ min. (at 50 V DC)
	Dielectric Withstanding Voltage	50 V AC for 1 minute
	Bouncing	5 ms max.
Endurance	Rotation Life	70,000 cycles min.
Minimum Quantity/Packing Unit		1,500 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		6,000 pcs.

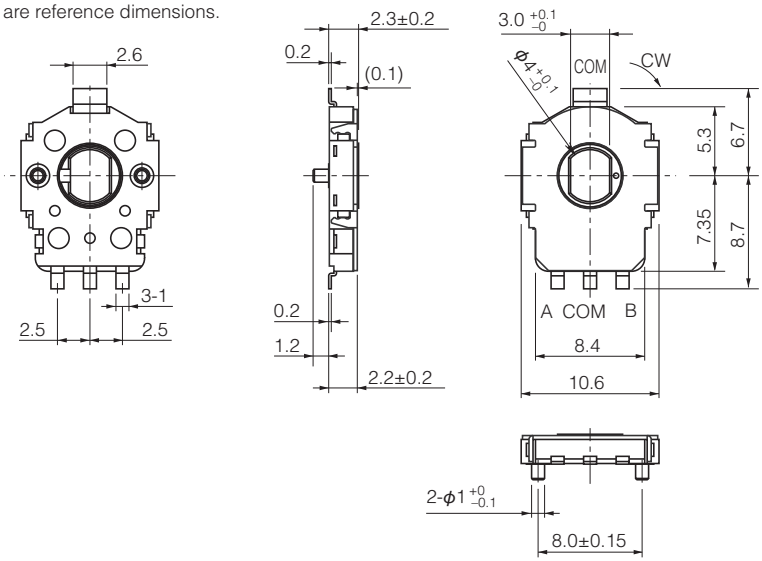
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Should a safety concern arise regarding this product, please be sure to contact us immediately.

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■ Dimensions in mm (not to scale)

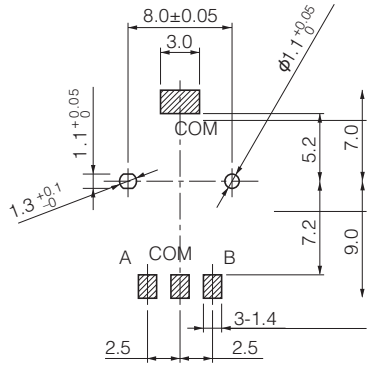
EVQVV

General dimension tolerance : ± 0.3
( )dimensions are reference dimensions.



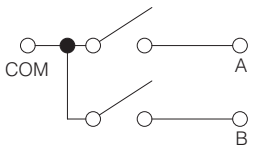
A : Output signal A
B : Output signal B

■ PWB mounting hole for reference

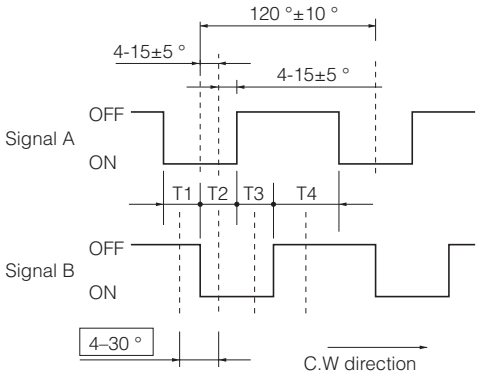


(View from parts side.)
PWB thickness t=1.6
Tolerance : ±0.1

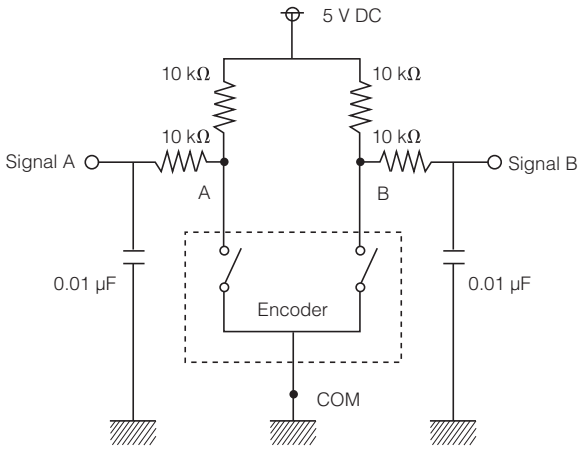
■ Circuit Diagram



■ Phase Difference



■ Test Circuit Diagram



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