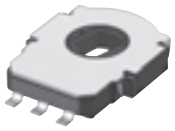
10 mm GS Sensors

Type: **EVWAE/EVWAD**

Low profile, long life sensor, which is suitable for detecting the angles of rotating axes.



■ Features

- Low profile (H=2.2 mm),
  Shaft hole diameters of up to 4 mm are available.
- Long operation life: 1 million operation cycles.
- A wide electrical output angle of a maximum 343 °,
  ready for SMDs

■ Recommended Applications

- Detection of robot joint angles
- Detection of air conditioner damper angles
- Detection of various control unit angles

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	V	W	A	E/D					B		
Product Code			Specification						Taper & Resistance		

Shaft Type	7th, 8th, 9th
D hole Type	001
H hole Type	002

■ Specifications

Mechanical	Rating	0.05 W, 5V
	Operating Force	3 mN·m max.
Electrical	Total Resistance	5 kΩ±30 %, 10 kΩ±30 %
	Linearity	±2 % max.
Endurance	Operating Life	1,000,000 cycles min. (operation Angle ±30°)
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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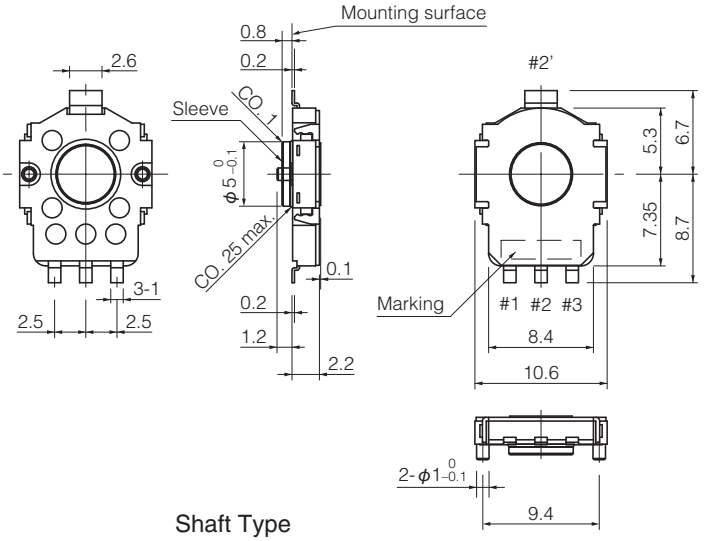
■ Dimensions in mm (not to scale)

No. 1

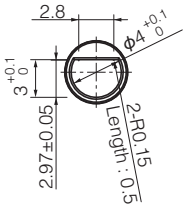
General dimension tolerance : ± 0.3
( )dimensions are reference dimensions.

EVWA
With sleeve Type

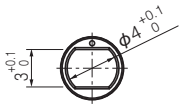


Shaft Type

D Type



H Type

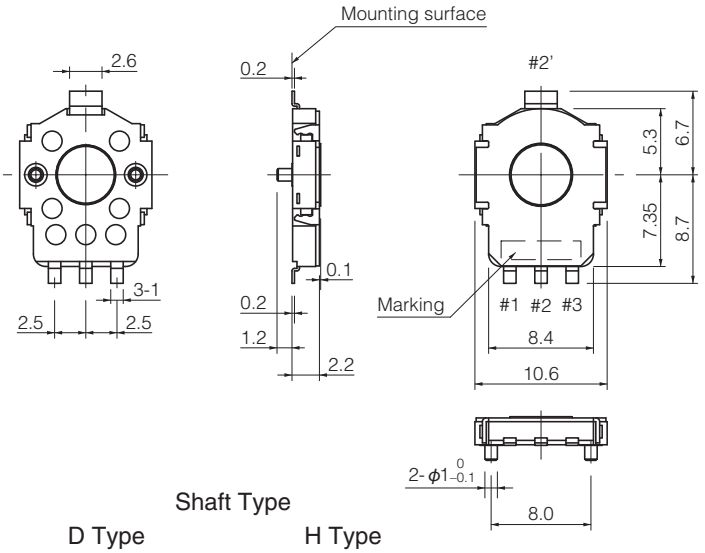


Shaft Type	7th, 8th, 9th
D Type	001
H Type	002

No. 2

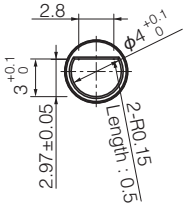
General dimension tolerance : ± 0.3
( )dimensions are reference dimensions.

EVWA
Without sleeve Type

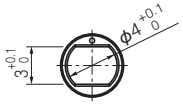


Shaft Type

D Type



H Type



Shaft Type	7th, 8th, 9th
D Type	001
H Type	002

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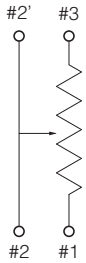
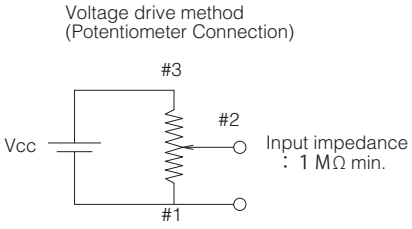
■ Circuit diagram

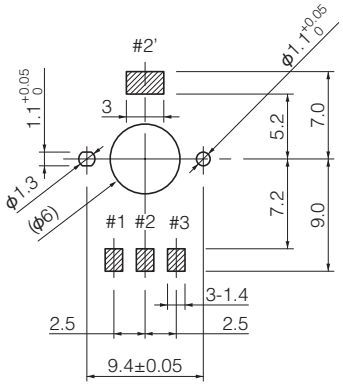


■ Test circuit diagram



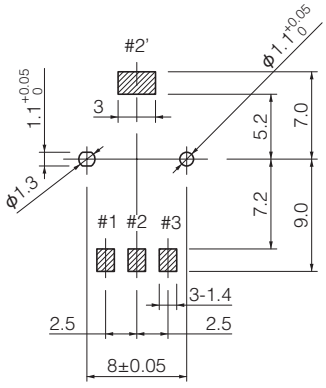
■ PWB mounting hole for reference

With sleeve Type



(Pitch tolerance : ±0.1)
View from mounting side

Without sleeve Type



(Pitch tolerance : ±0.1)
View from mounting side

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