



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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

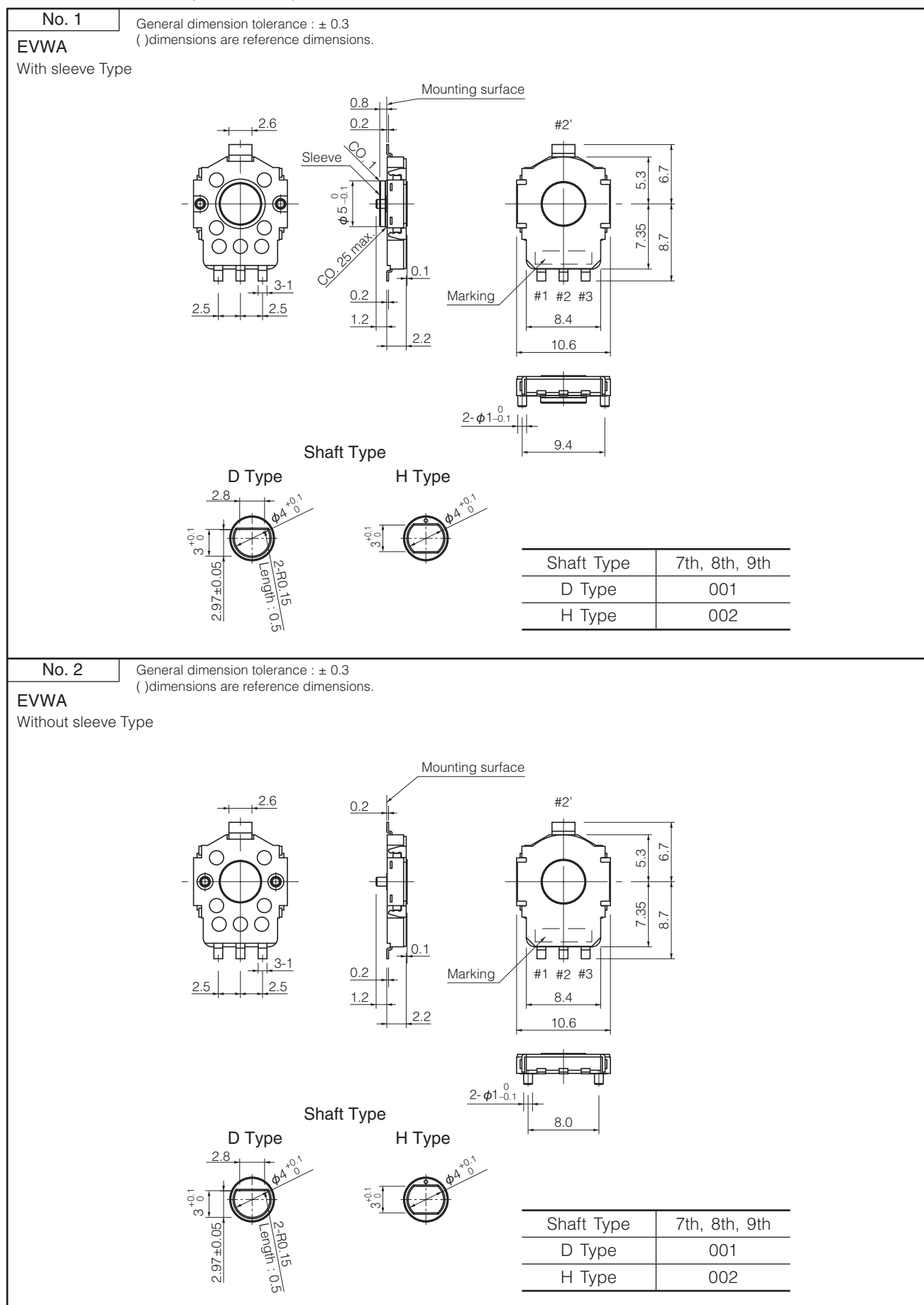
### ■ Explanation of Part Numbers

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

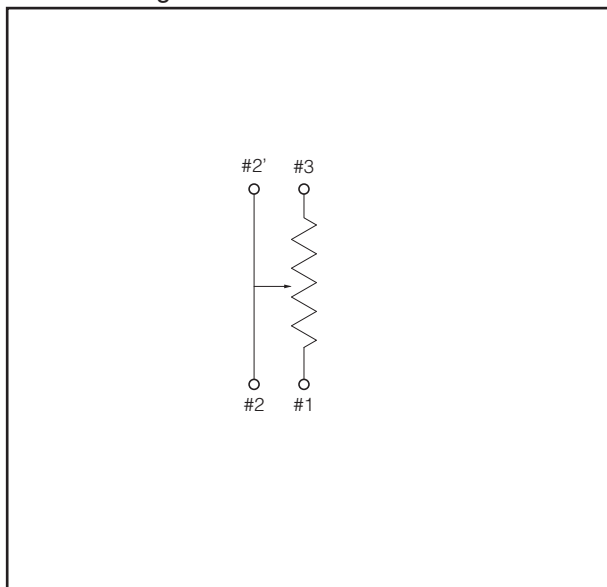
Mechanical	Rating	0.05 W, 5V
	Operating Force	3 mN·m max.
Electrical	Total Resistance	5 kΩ±30 %, 10 kΩ±30 %
	Linearity	±2 % max.
Endurance	Operating Life	1,000,000 cycles min. (operation Angle ±30°)
Minimum Quantity/Packing Unit		1,500 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		6,000 pcs.

## ■ Dimensions in mm (not to scale)

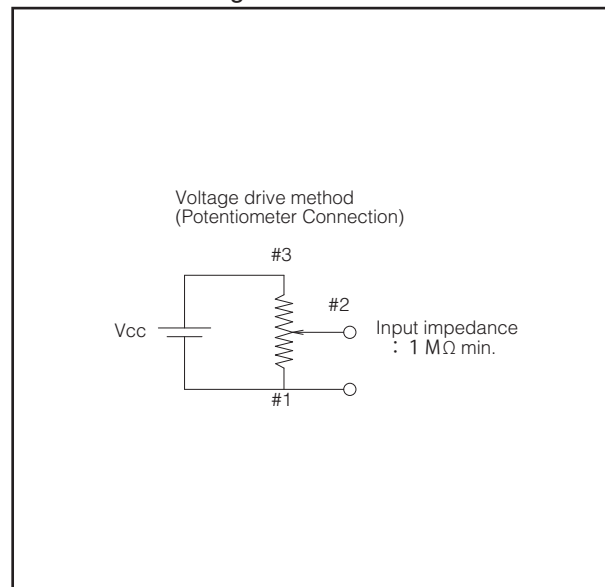


Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

## ■ Circuit diagram



## ■ Test circuit diagram



## ■ PWB mounting hole for reference

