1/3

## Features

- Miniaturized for space saving design.
- ⇒Superior reliability at micro-current by employing a sliding contact.
- Available in wide variety of mounting methods, operating methods etc.

## Applications

◆Mechatronic detection for audio and VCR CD-ROM DVD units.



Actual size

## Products Line

No	Products No	Pole	Position	Quantity (pcs./reel)	Notes
1	SW-212	1	1		Reflow soldering is possible.
2	SW-213	1	1		Reflow soldering is possible.
3	SW1AB-214A	1	1		Dip soldering is possible.
4	SW1AB-217	1	1		
5	SW1AB-218	1	1		

## ■ Typical Specifications

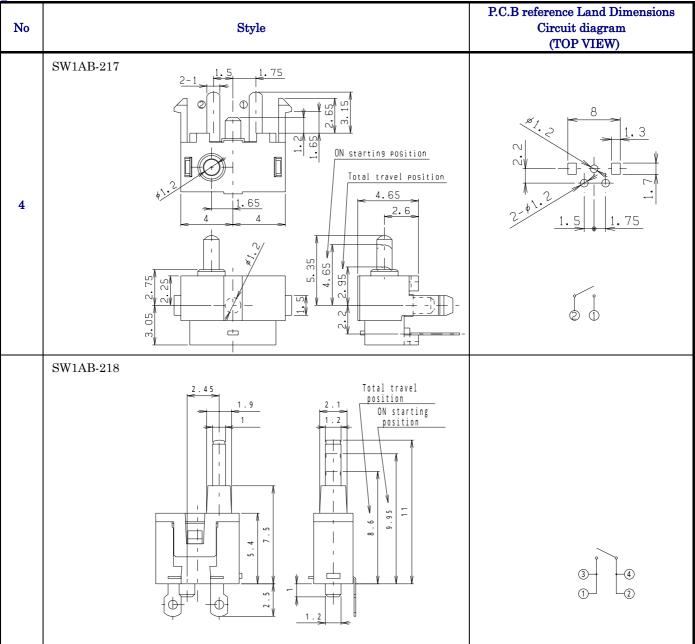
Typical Specifications				
Item	Specification			
Ratings (max.)	1mA 5V DC (Resistive load)			
Contact resistance	1 ohm max.			
Insulation resistance	100 megohm min. 100V DC			
Withstanding voltage	100V AC for 1min.			
Operating life with load	100,000 cycles			
Operating force	0.35N max.			

SW-210 Series

 $Uni\underline{t:\underline{mm}}$ Dimensions P.C.B reference Land Dimensions No Style Circuit diagram (TOP VIEW) SW-212 ON starting position Total travel position  $\Box_{\mathbb{O}}$ ø1.2 1.65 1 8.5 6. 1 5.9 5.4 **∮1.**2 0.8 3.3 0.95 2. 3 (4.2) SW-213 ON starting position Total travel position **≠2.** 1 0.15 2 3.4 9,95 8.6 5.4 (1.75) <u>1</u>.65 3.4 SW1AB-214A ON starting position 4.2 Total travel position 3 6.9 2.8 1.65 **2.** 55 3 2 5.36 0.15

SW-210 Series

Dimensions Unit: mm



Notes

- 1. The appearance and specifications of the product may be modified to improve its performance without prior notice.
- 2. This catalog shows only outline specifications. When using the product, please obtain formal specifications.
- 3. Please see appendix [Cautions in Using Switches].
- 4. This switch is not washable.
- 5. Soldering shall be done with actuator at free position and take care not to attach flux on plastic portion.
- 6. Note that if the stress is applied to the terminals during soldering, they might cause deformation and defects in electrical performance.
- 7. In manual soldering, consideration should be given to apply the soldering iron to the tip of the terminal so that unusual pressure is not applied to the terminal.
- 8. In case circuit and software design consideration against chattering and bouncing shall be taken as below.

Read a few times. (Ex. 5ms for 5 times)

Set delay time.

Set integral circuit.

- 9. As to threshold voltage, center setting is recommended.
- 10. Care shall be taken not to apply stress to the body of switch as it may affect the performance.
- 11. Please confirm the performance on actual operation by simulation with actual environment environments for high reliability.