

Lever-type Detector Switches

SW1AB-500-T11

Features

- ◁Miniaturized for space saving design.
- ◁Superior reliability at micro-current by employing a sliding contact.
- ◁This is a compact detector switch which can be pressed either horizontally or vertically.
- ◁Reflow soldering is possible.



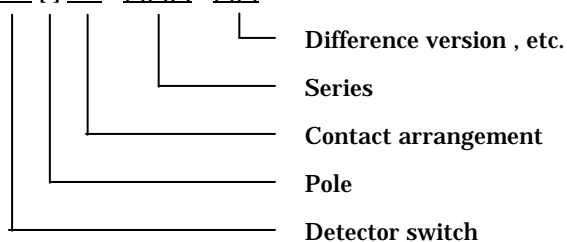
Zoom

Applications

- ◁Mechatronic detection for audio and VCR Digital cameras.

Products Number System

SW [] AB - [][][] - [][]



Actual size

Products Line

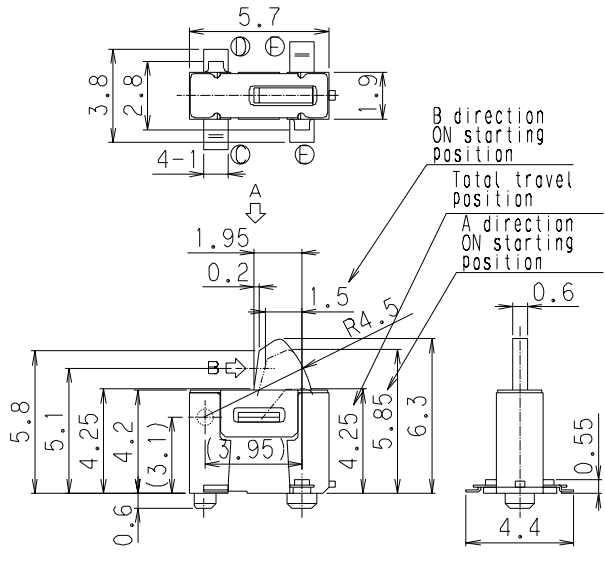
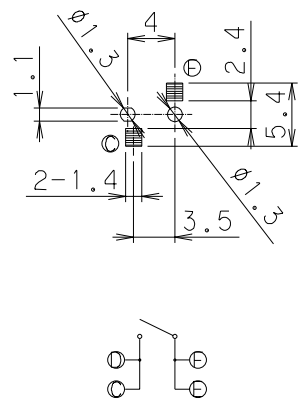
No	Products No	Pole	Position	Quantity (pcs./reel)	Notes
1	SW1AB-500-T11	1	1	1,100	

Typical Specifications

Item	Specification
Ratings (max.)	0.05 to 10mA 3 to 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	50,000 cycles
Operating force	0.25N max.

Dimensions

Unit : mm

No	Style	P.C.B reference Land Dimensions Circuit diagram (TOP VIEW)
1	<p>SW1AB-500-T11</p>  <p>Technical drawing of the SW1AB-500-T11 switch. It includes a top view with dimensions: 5.7, 3.8, 2.8, 4-1, 1.9, 1.95, 0.2, 1.5, R4.5, 0.6, 5.8, 5.1, 4.25, 4.2, (3.1), 0.6, 4.25, 5.85, 6.3, 4.4, and 0.55. It also shows movement directions 'A' and 'B', and labels for 'B direction ON starting position', 'Total travel position', and 'A direction ON starting position'.</p>	 <p>P.C.B reference Land Dimensions and circuit diagram (TOP VIEW). The top view shows dimensions: 1.1, 1.3, 4, 2.4, 5.4, 2-1.4, 3.5, 1.3, 0.6, and 4.4. Below the top view is a circuit diagram showing a switch with two terminals.</p>

Notes

- The appearance and specifications of the product may be modified to improve its performance without prior notice.
- This catalog shows only outline specifications. When using the product, please obtain formal specifications.
- Please see appendix [Cautions in Using Switches].
- This switch is not washable.
- Soldering shall be done with actuator at free position and take care not to attach flux on plastic portion.
- Note that if the stress is applied to the terminals during soldering, they might cause deformation and defects in electrical performance.
- 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.
- 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.
- As to threshold voltage, center setting is recommended.
- Care shall be taken not to apply stress to the body of switch as it may affect the performance.
- Please confirm the performance on actual operation by simulation with actual environment environments for high reliability.