

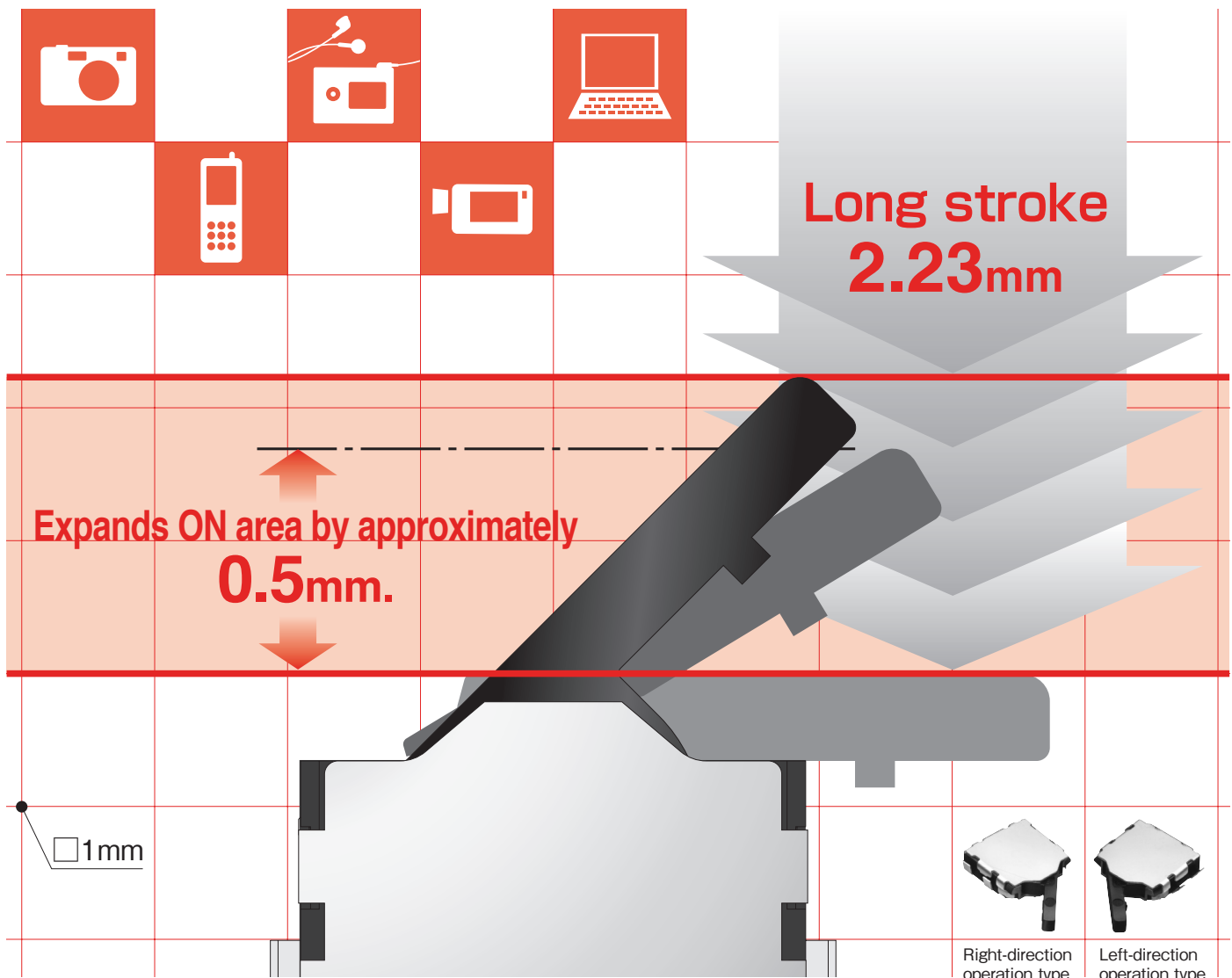
Detector Switch Low-Profile Two-Way Operation Type

SPVN Series

ALPS[®]

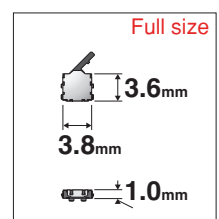
New
2006

Long lever offers broader detection range and design flexibility.



Only 1mm thick, this detector switch with a user-friendly long lever realizes high contact reliability.

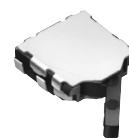
- Ultra-thin: height of only 1mm above the printed circuit board.
- Two-way operation from the horizontal and the vertical direction is possible.
- Double-sided sliding contact provides high reliability.
- Two operation direction types (right and left) available.
- Two different lever lengths (long and standard) available.
- Through-operation available in the lateral direction.
- Available for reflow soldering.



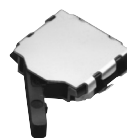
Enables improved flexibility of the set design for detection mechanisms in Personal Digital Assistants.

Detector Switch Low-Profile Two-Way Operation Type

SPVN Series



Right-direction
Operation Type



Left-direction
Operation Type

Only 1mm thick, this detector switch with a user-friendly long lever realizes high contact reliability.

Applications

For detection mechanisms in digital cameras, video cameras, Personal Digital Assistants, laptop computers, and portable audio players, as well as for detecting lids and detection of secondary power input and mode select in such devices.

Typical Specifications

Items		Specifications
Rating (max/min) (Resistive load)		1mA 5V DC/50 μ A 3V DC
Contact resistance (Initial / After lifetime)		2 Ω max./5 Ω max.
Operating force		0.35N max.
Operating life	Without load	50,000 cycles
	With load	50,000 cycles (1mA 5V DC)

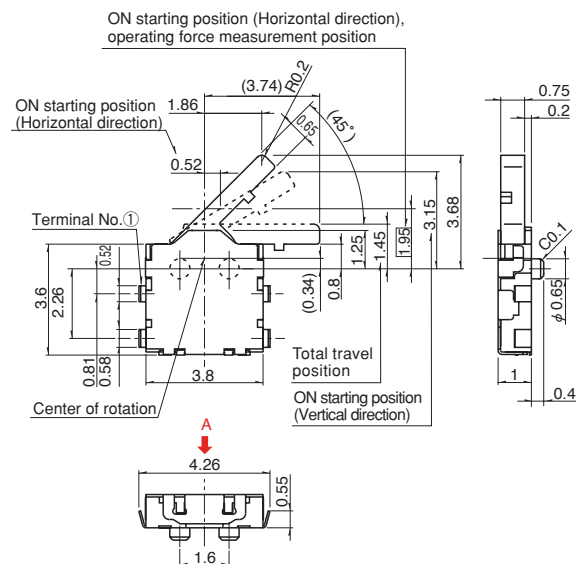
Product Line

Product No.	SPVN310100	SPVN320100	SPVN410100	SPVN420100	SPVN110101	SPVN120101	SPVN210101	SPVN220101
Lever type	New Long				Standard			
Operation direction	Right		Left		Right		Left	
Location lug	With	Without	With	Without	With	Without	With	Without

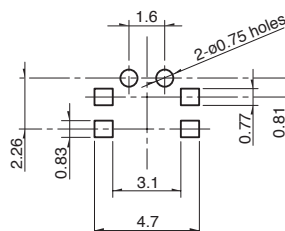
Dimensions

Long-lever right operation type: SPVN310100

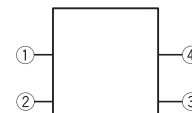
Unit:mm



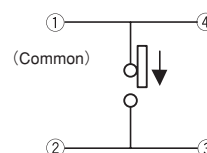
PC board mounting hole dimensions
(Viewed from switch mounting face)



Terminal Layout (Viewed from Direction A)



Circuit Diagram



Cautions for Use

1. Specification indicated in this catalog is outline only. When employing the product, use of an officially authorized specification for supply contract is recommended.
2. Unless specifically indicated otherwise, products in this catalog have been designed and manufactured for use in ordinary electronic equipment and devices, such as AV equipment, electric home appliances, office machines, and communications equipment. Equipment manufacturers are consequently advised that when these products are planned for equipment that requires a high degree of safety and reliability, especially those apparatuses like medical equipment, aviation and aircraft equipment, space equipment, and burglar alarm equipment, the manufacturers should assure equipment safety by providing protection circuits and redundant circuitry and should fully study the suitability of such products for the intended equipment.
3. The external appearance, performances, and other properties of the product may be changed for improvement without prior notice. The product introduced in this catalog may discontinue being produced without prior notice.
4. All product names, company names and names of standards described in this catalog are trademarks or registered trademarks of their respective owners.
5. Please contact us for any enquiries and queries on our products and their uses.
6. This catalog is valid till the end of December 2006.

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