



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!



## Contact us

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# K5V

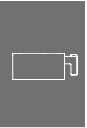
## Right Angle Lighted SMT Tact Switch

### Features

- Gold plated dome contact SPST/SPDT
- Excellent ergonomie
- High bright LEDs
- Reduced space usage on board
- 70 N min shear force
- Tape and reel
- Lead free compliant

### Typical Applications

- When backlighting and switch are required to be a "2 in 1" component
- The dome contact secures a superior contact reliability in time
- The ergonomie of K5V provides a long travel, a sharp tactile feel and a sound click



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Tactile Switches

### Specification

FUNCTION: momentary action  
 CONTACT ARRANGEMENT: Normally Open + Normally Closed  
 TERMINALS: SMT with positioning pegs

### Mechanical

Type	Operating force FA <sup>1</sup> Newtons (grams)	Operating life (operations)	Travel (total travel) mm(mm)
K5V10023G	2.0 (200)	100,000	0.6 (2.5)
K5V10043G	4.5 (450)	30,000	1.2 (2.5)

<sup>1</sup>) Tolerances of operating force FA is ± 25%.

### Packaging

350 pieces per reel  
 Reel ø 330mm

### Electrical

POWER MIN/MAX: 0.02VA / 1.0VA  
 VOLTAGE MIN/MAX: 20mVdc – 32 Vdc  
 CURRENT MIN/MAX DC: 0.05mA (gold) – 100mA (silver)  
 CONTACT RESISTANCE: <100mOhms  
 INSULATION RESISTANCE: >1GOhms initial, >10MOhms after damp heat  
 BOUNCE TIME: <5ms

### Environmental

OPERATING TEMPERATURE: -40 C TO 85 C  
 STORAGE TEMPERATURE: -50 C TO 85 C  
 RELATIVE HUMIDITY: 90 to 96% according to NF EN 60068-2-30  
 OVERLOAD: 50N min  
 SHEAR TEST SMT: 70N min

### Process

SOLDERING: Infrared reflow in accordance with CECC 00802  
 FLUX TIGHT. No wash.  
 LEAD FREE AND RoHs COMPLIANT

### Materials

CONTACTS: Au over Ni  
 SOLDERING: Ag or Au  
 HOUSING: Thermoplastic UL94 HB

### How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

