

K5V

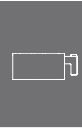
Right Angle Lighted SMT Tact Switch

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



B

Tactile Switches

Specification

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

Mechanical

Type	Operating force FA ¹ 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)

¹) 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

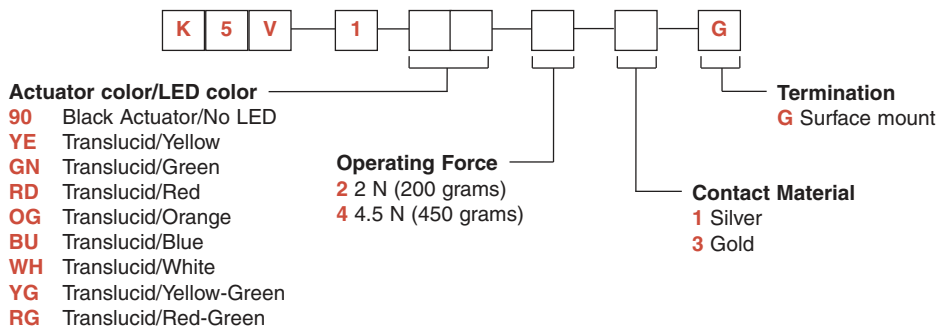
SOLDERING: Infrared reflow in accordance with CECC 00802
 FLUX TIGHT. No wash.
 LEAD FREE AND RoHs COMPLIANT

Materials

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

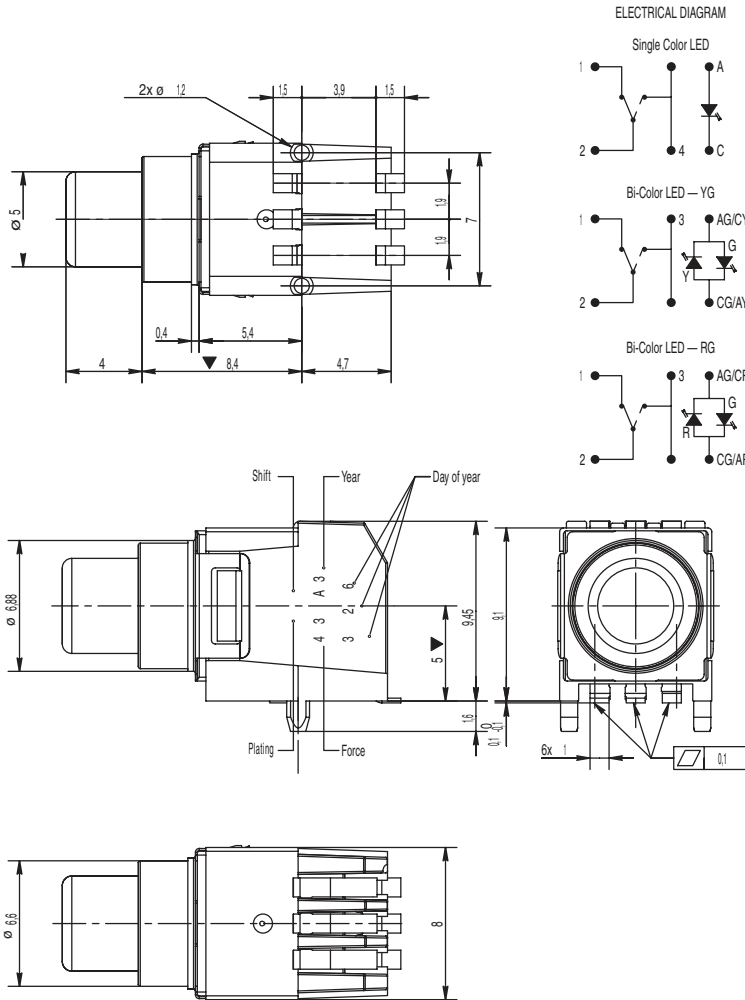
How To Order

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.

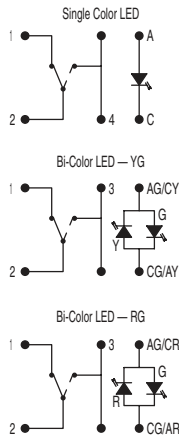


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K5V SMT

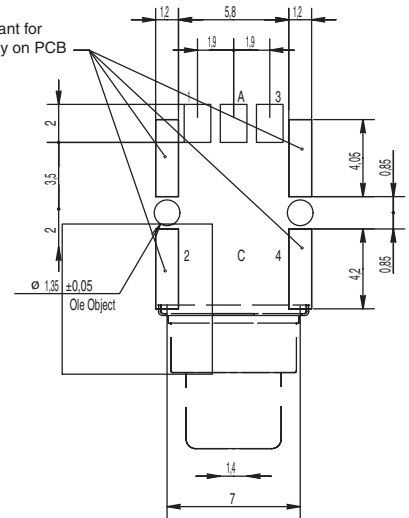


ELECTRICAL DIAGRAM

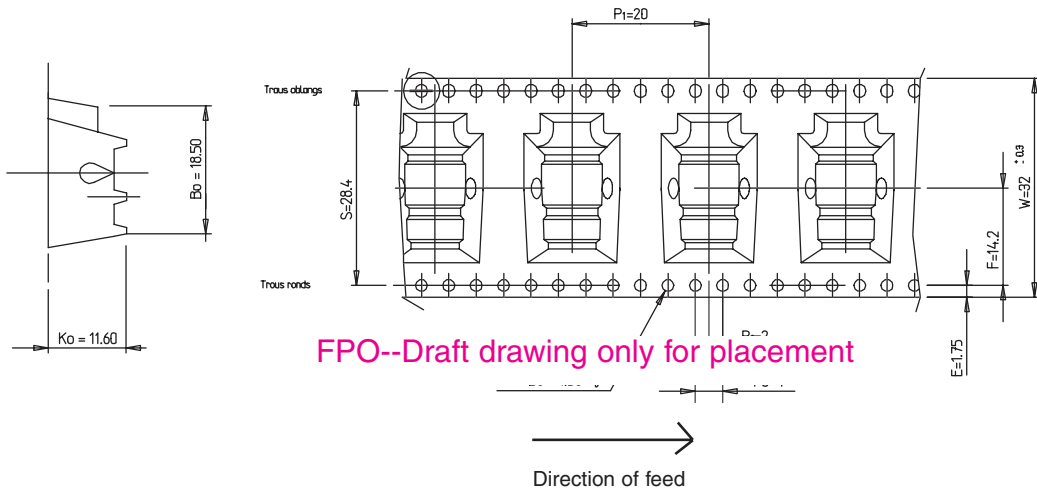


RECOMMENDED PCB LAYOUT (WITH HOLES) TOP VIEW

Areas important for switch stability on PCB



TAPE & REEL



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Tactile Switches