KSD
SWITCH CONNECTOR

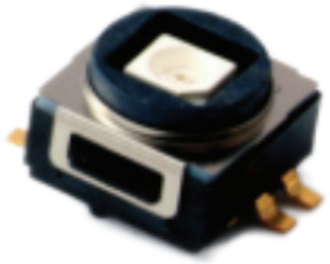
# KSD-K8
# Illuminated SMT Tact Switch with Dedicated LED

## *Features*

- ***Various LED options***
- ***No light perturbation***
- ***Sound haptic***
- ***Various climatic classes***

## *Typical Applications*

- ***Automotive***
- ***Network equipment***
- ***Telecommunications***
- ***Medical equipment***
- ***Industrial controls***





## Specification

FUNCTION: momentary action
CONTACT ARRANGEMENT: 1 make control = SPST, N.O.
TERMINALS: Gullwing type for SMT, 2 terminals for LED

## Mechanical

| Type | Actuation Force (N) | Operating Life (operations) | Travel (Total Travel) mm (mm) |
|---|---|---|---|
| K8xx41G LFS | 4.0 | 300,000 | 0.45 (0.95) |

Tolerances on actuation force is ± 25%.
SEALING LEVEL: IP40

## Illumination Colors

White, blue, pure green, orange, super red
LED technical information available on product specification.
For any extra color, please contact your sales representative.

## Packaging

In reels of 900 pieces under sealed foil.
Dimensions of reels according to EIA RS481 or IEC 2863. External diameter 380 mm.

## Electrical

MAXIMUM POWER: 1.0 VA
MAXIMUM VOLTAGE: 32 VDC
MINIMUM VOLTAGE: 20 mV
MAXIMUM CURRENT: 50 mA
MINIMUM CURRENT: 1 mA
DIELECTRIC STRENGTH: (50 Hz, 1 min.) ≥ 250 Vrms
CONTACT RESISTANCE: < 100mΩ
INSULATION RESISTANCE: (100 V, inital stage) > $10^9\Omega$
BOUNCE TIME: < 10 ms

## Environmental

OPERATING TEMPERATURE: -40˚C to +85˚C

STORAGE TEMPERATURE: -55˚C to +85˚C

## Process

SOLDERING: Compatible with the lead free soldering profile.
No washing
MSL level: 5a

## Materials

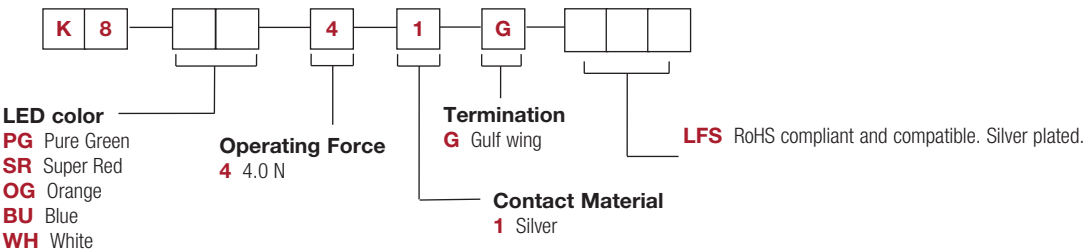
CONTACTS: Ag over Ni
TERMINALS: Ag over Ni
HOUSING: Thermoplastic UL94 V0

**NOTE**:
The specifications show in the datasheet are for reference only and are not valid for design-in work. Please contact your sales representative to request drawings and product specifications.

For systems where reliability and safety are required, please contact your sales representative to secure product integration and function to secure usage.

## 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 and place it in the appropriate box.




*Dimensions are shown: mm*
*Specifications and dimensions subject to change*

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KSD
SWITCH CONNECTOR

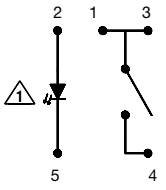
# KSD-K8

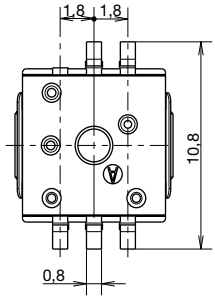
## Illuminated SMT Tact Switch with Dedicated LED

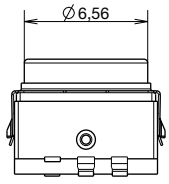


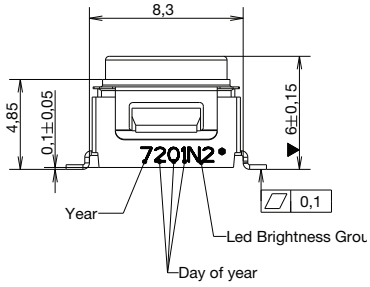
| PART NUMBER | REF LED | EMITTED COLOR | LUMINOUS INTENSITY (mcdd) If = 20 mA | | CHROMATICITY COORDINATES OR PEAK WAVE LENGTH (typ) If = 20 mA | | FORWARD VOLTAGE V If = 20 mA | |
|---|---|---|---|---|---|---|---|---|
| | | | min | typ | X | Y | min | max |
| K8WH41G LFS | LW T67C-S2U1-5K8L | WHITE | 224 | 560 | 0.33 | 0.33 | 3 | 4.1 |
| K8BU41G LFS | LB T67C-P2R1-35 | BLUE | 56 | 140 | 465 mm | | 3 | 4.1 |
| K8PG41G LFS | LP T676-L1M2-25 | PURE GREEN | 11.2 | 28 | 562 mm | | 1.8 | 2.4 |
| K8SR41G LFS | LP T676-Q1R2-1 | SUPER RED | 71 | 180 | 645 mm | | 1.8 | 2.3 |
| K8OG41G LFS | LO T676-R1S2-24 | ORANGE | 112 | 280 | 610 mm | | 1.85 | 2.35 |

ELECTRICAL GRAPH

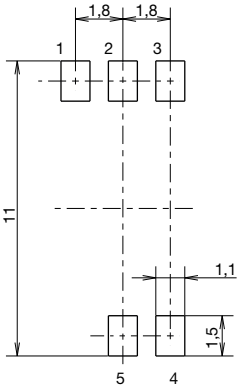


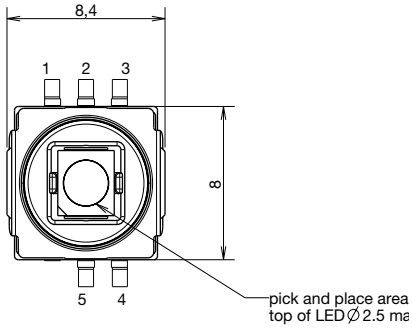



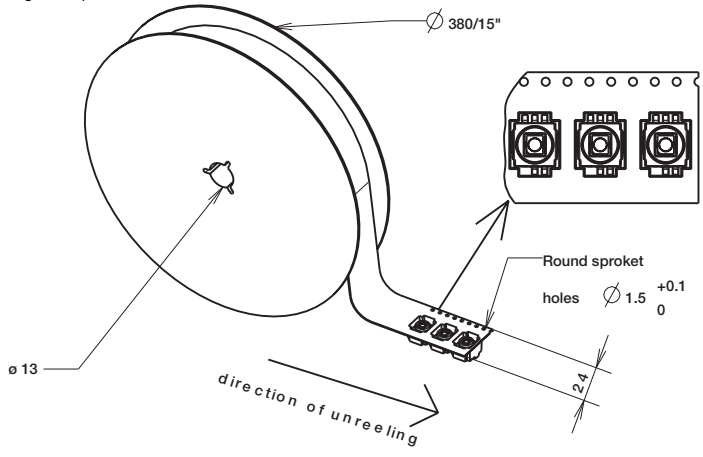




PCB LAYOUT
TOP VIEW




First Angle Projection

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