KSC4V2 Series Side Actuated Sealed Tact Switch



Features/Benefits

- Full SMD side actuated
- Haptic adaptability
- Pin in paste terminations
- Tape & reel
- IP 67

Typical Applications

- Automotive
- Industrial electronics
- Network equipment
- **Telecommunications**



Specification

FUNCTION: momentary action CONTACT ARRANGEMENT: 1 make contact = SPST, N.O. **TERMINALS:**

- 2 pin in paste signal terminals
- 3 SMD ground terminals

Mechanical

Туре	Force (N)	Operating Life (operations)	Travel (mm)
KSC441V2SPDLFS	3.5 ± 1.0	300,000	0.7 ± 0.2

NOTE: Basic version is based on KSC441V2 SPDELTA LFS. Other configurations of haptics are available upon demand.

MISUSE OVERLOAD: 40N with back support SHEAR FORCE: 10N without back support

Electrical	Silver	Gold
MAXIMUM POWER:	1 VA	0.2 VA
MAXIMUM VOLTAGE:	32 VDC	32 VDC
MINIMUM VOLTAGE:	20 mV	20 mV
MAXIMUM CURRENT:	50 mA	10 mA
MINIMUM CURRENT:	1 mA	1 mA

DIELECTRIC STRENGTH (50 Hz, 1 min.): > 250 Vrms

CONTACT RESISTANCE: $< 100 \text{ m}\Omega$

INSULATION RESISTANCE (100 V, initial stage): $> 10^9 \Omega$

BOUNCE TIME: < 1 ms

Environmental Silver Gold **OPERATING TEMPERATURE:** -40°C to 85°C -40°C to 125°C STORAGE TEMPERATURE: -55°C to 85°C -55°C to 125°C

Process

SOLDERING: Depending on the application, this component is suited to the following methods:

- Cleaning according to typical washing processes.
- Infrared Reflow Soldering in accordance with IEC 61760-1.

TERMINALS: pin in paste, silver or gold plated

TOP PLATE: tin plated

MSL level: 1

Vacuum pick head mandatory

Packaging

In reels of 800 pieces.

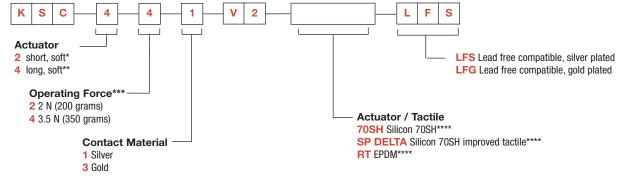
Dimensions of reels according to EIA RS481 or IEC 2863. External diameter 330 mm ± 2 mm.

NOTE: This product is designed and manufactured for general electronic devices. 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 place it in the appropriate box.

For any part number different from those listed above, please consult your local representative.



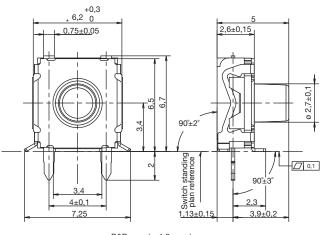
- * KSC2 version available upon demand
- ** KSC4 available as KSC441V2 SP DELTA LFS for product launch *** Force available upon demand (variant version)

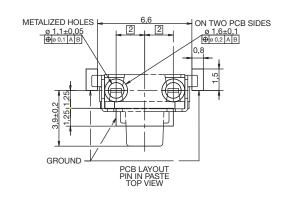
**** Available for KSC4 only

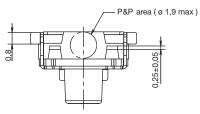




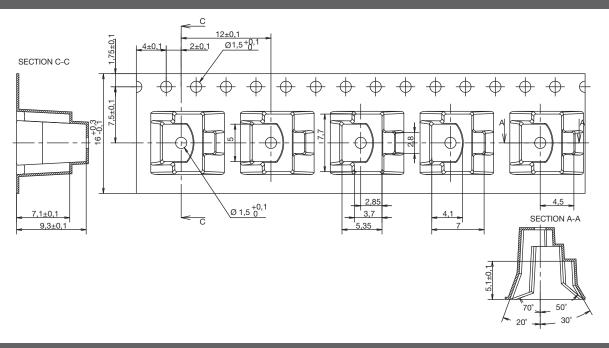
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TAPE AND REEL



INTEGRATION





Dimensions are shown: mm Specifications and dimensions subject to change



24 jan 13