

# RKC2 Series

## Microminiature SMT Top Actuated Tactile Switch



### Description

RKC2 series is microminiature SMT top actuated tactile switch with different choices of actuation force and up to 200k lifecycles. The switch is ideal for applications that need a high density of components in limited PCB space, such as automotive keyfob, high-end consumer and health & medical devices.

### Features & Benefits

- 1.7 mm height, 3.5 x 2.7 mm size
- SMT termination
- Hard actuator
- 180, 250, 350 & 500 gf actuation forces
- 100k to 200k cycles

### Applications

- Automotive Keyfob
- High-end Consumer
- Health & medical devices

### Specifications

<b>Function</b>	Momentary action
<b>Contact Arrangement</b>	1 make contact = SPST N.O.
<b>Terminals</b>	SMT termination
<b>Travel</b>	0.15 ± 0.1 mm

### Electrical Characteristics

<b>Max. Voltage</b>	12 VDC
<b>Max. Current DC</b>	20 mA
<b>Contact Resistance</b>	100 mΩ
<b>Insulation Resistance</b>	100 mΩ min.
<b>Dielectric Strength</b>	250 VA C (1 minute)
<b>Bounce Time</b>	≤ 10 ms

### Environmental Characteristics

<b>Operating Temperature</b>	-40°C to 85°C
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### Process

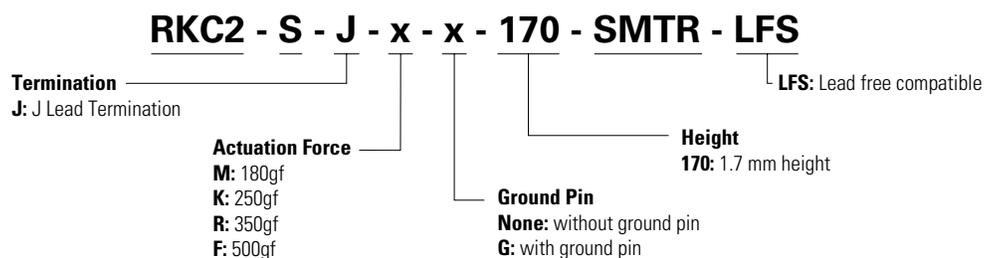
<b>Soldering</b>	This component is suited to the following methods: Infrared Reflow Soldering in accordance with IEC61760-1
<b>Packaging</b>	4,000 pieces per reel

### Mechanical Characteristics

Type	Life (cycles)
RKC2SJM170SMTR LFS	200,000
RKC2SJK170SMTR LFS	
RKC2SJR170SMTR LFS	100,000
RKC2SJF170SMTR LFS	
RKC2SJFG170SMTR LFS	200,000

### Ordering Number

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.

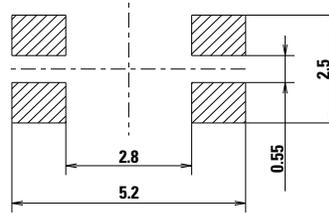
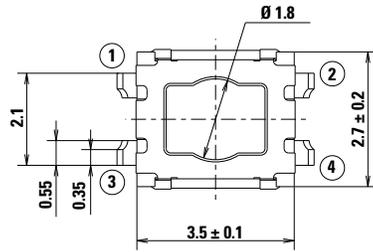


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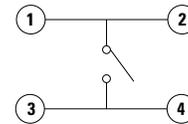
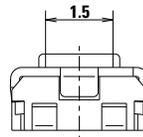
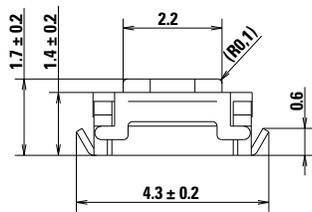
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### Standard Version without Ground Pin

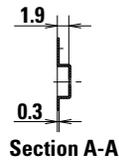
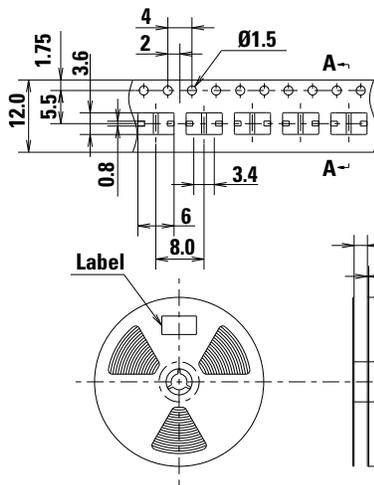


PC.B Land Dimension

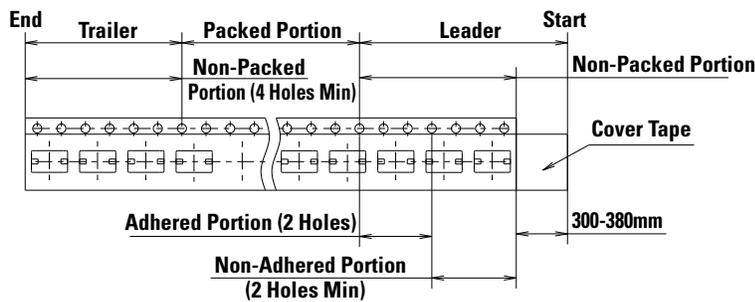
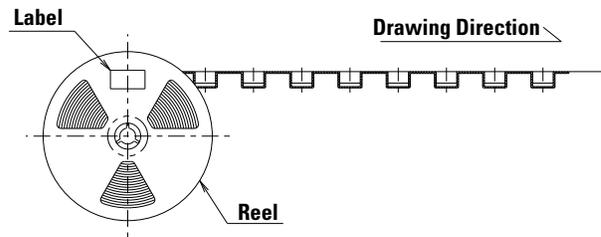


Circuit Diagram

### Tape & Reel



Section A-A



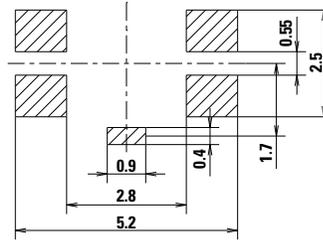
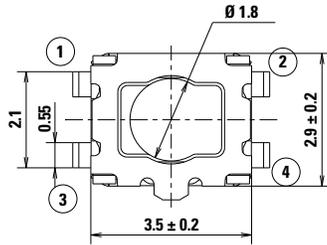
- Notes:
1. 4,000 pieces switches per 1 reel
  2. General Tolerance: 0.3mm

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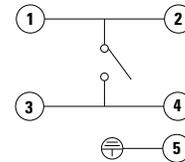
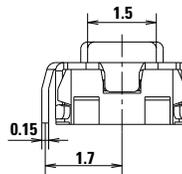
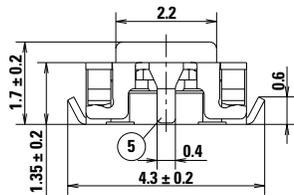
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### Version with Ground Pin

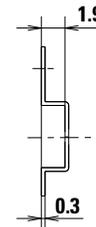
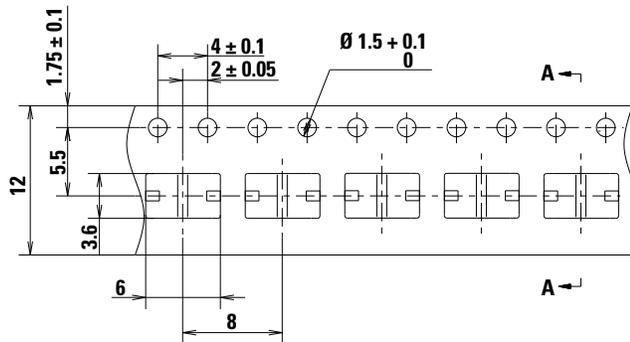


P.C.B. Layout

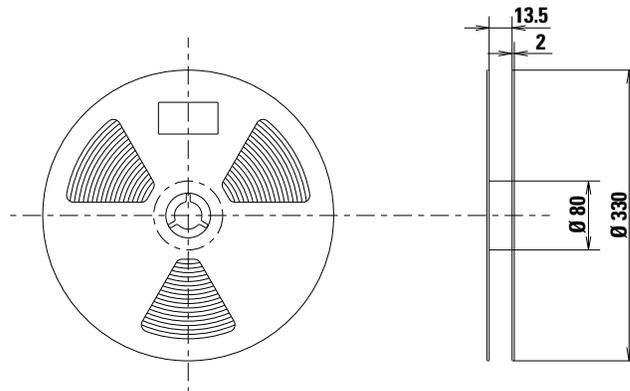


Circuit Diagram

### Tape & Reel



Section A-A



- Notes:**  
 1. 4,000 pieces switches per 1 reel  
 2. General Tolerance: ± 0.3mm

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