

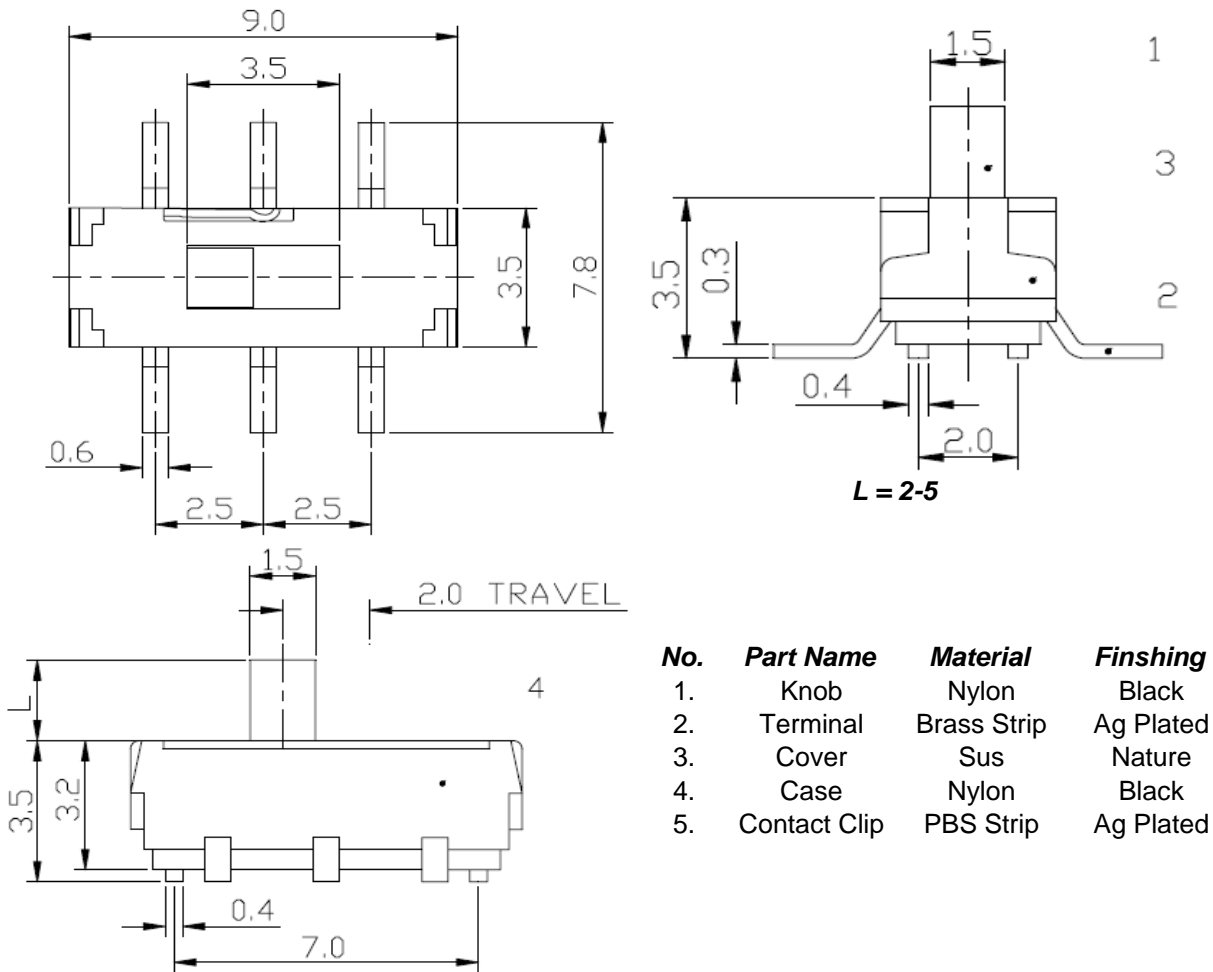
## Mini Slide Switch

**Q62013**

### Specification

Rating Voltage	V DC	6
Rating Current	A	0.3
Function		2P2T
Timing		NON-SHORTING

### Technical Drawing ( mm )



## Mini Slide Switch

**Q62013**

### Electrical Characteristics

Item	Test Conditions	Performance
4.1 Contact Resistance	Measured at small Current ( 100 mA or less ) 1,000 Hz	max. 70 mΩ
4.2 Insulation Resistance	Apply a Voltage of 500V DC shall be applied for 1 min after which measurement be made: ( 1 ) Between Conductors not be contact ( 2 ) Between Individual Terminals and frame	min. 100 MΩ
4.3 Dielectric Strength	AC 500 V rsm ( 50-60 Hz ) for 1 min trip Current: 0.5 mA ( 1 ) Between Conductors not be contact ( 2 ) Between Individual Terminals and frame	Without damage to parts arcing or breakdown etc.

### Mechanical Characteristics

Item	Test Conditions	Performance
5.1 Operating Force	Measurement shall be made at the nearest point of the component or at the point 3 mm from the TIP of Actuator ( Knob )	250 gf ± 100 gf
5.2 Terminal Strength	A static load of 300 gf shall be applied to the terminal for 15 sec. in any direction	Electrical characteristics shall be satisfied without damage or excessive looseness of terminal.
5.3 Displacement of Actuator	A static load of 9.8 N ( 1 kgf ) shall be applied to the top of the actuator and then displacement shall be measured to the direction of the arrow.	The lever shall have no serious deformation and function is normally.

## Mini Slide Switch

**Q62013**

### Mechanical Characteristics

Item	Test Conditions	Performance
6.1 Mechanical-life test	Switch shall be subjected to 10,000 cycles at a speed of 15~25 per minute without load	<ol style="list-style-type: none"> <li>Contact resistance: <math>\leq 200 \text{ m}\Omega</math></li> <li>Insulation resistance: <math>\geq 50 \text{ M}\Omega</math></li> <li>Under a Voltage 750V AC Without destroying and looseness.</li> <li>Operating for <math>\pm 50\%</math> spec.</li> <li>No deformation and looseness</li> </ol>
6.2 Cold test	The switch shall be stored at a temperature $-25^{\circ}\text{C} \pm 3^{\circ}\text{C}$ for 48 hours. And the it shall be subjected to the controlled recovery conditions for 1 hour after which measure ment shall be made.	<ol style="list-style-type: none"> <li>Contact resistance: <math>\leq 200 \text{ m}\Omega</math></li> <li>The external appearance just like often changes, and can proceed the normal conversion action</li> </ol>
6.3 Heat test	The switch shall be stored at a temperature of $70^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 48 hours. Then the Switch shall be maintained at standard atmospheric conditions for 1 houerafter which measurment shall be made.	<ol style="list-style-type: none"> <li>Insulation resistance: <math>\geq 50 \text{ M}\Omega</math></li> <li>The external appearance just like often changes, and can proceed the normal conversion action</li> </ol>
6.4 Solderability test	The top of the terminal shall be dipped 2mm in the solder bath of $230^{\circ}\text{C} \pm 0.5$ seconds.	1. the area of solderability should be over 75%.
6.5 Resistance to soldering heat test	Solder bath method: Soldering temperating $250^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Immersion time 3 sec $\pm 0.5$ sec Immersion depth up to the surface of the board thickness of printed wiring board 1.6 mm dimensions of compent holes in the printed wiring board shall. Being accordance with those specified in this specification.	Without deformation of case or excessive looseness of terminals. Electrical characteristics shall be satisfied.

## Mini Slide Switch

**Q62013**

### Mechanical Characteristics

Item	Test Conditions	Performance
6.6 Humidity test	The jack shall be stored at a temperature of 40°C ± 2°C and a humidity of 90% to 95% for 96 hours. then the switch shall be maintained at standard atmospheric condition for 1 hour procedures be made.	<ol style="list-style-type: none"> <li>Contact resistance: ≤ 200 mΩ</li> <li>Insulation resistance: ≥ 50 MΩ</li> <li>Under a Voltage 750V AC</li> </ol>
6.7 Standard Atmospheric Conditions	Unless otherwise specified. The standard range of atmospheric conditions for making measurements and tests are as follows: ( 1 ) Ambient temperature: 5°C ~ 35°C ( 2 ) Relative humidity: 45% ~ 85% ( 3 ) Air pressure: 86 Kpa ~ 106 Kpa	
6.8 Practical Temperature range	-16°C ~ 30°C	
5.0 Conservation Temperature	The switch's store conditions requirement and store time limit: <ol style="list-style-type: none"> <li>The Switches packed in the carton board boxes and wooden boxes can be transported by any kinds of vehicles, but need avoiding being stricken by rain, snow and mechanism.</li> <li>The Switches should be kept under the below conditions: the temperature is kept within the limits of subzero then degree centigrade to forty degree ; the relative Humidity should be not should be not more than eighty percent and there is no acid , alkali, sulfide, ozone, alkaline air and any other poisonous gas around the storehouse.</li> </ol>	





shall BE SATISFIED.

TEMPERATURE OF  $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$  AND A

HUMIDITY OF 90% TO 95% FOR 96 HOURS.  
THEN THE SWITCH SHALL BE MAINTAINED  
AT STANDARD ATMOSPHERIC CONDITION FOR  
1 HOUR PROCEDURES BE MADE.

CONDITIONS FOR MAKING MEASUREMENTS  
AND TESTS ARE AS FOLLOWS:

REQUIREMENT AND STORE TIME LIMIT:  
BOARD BOXES AND WOODEN BOXES CAN BE  
TRANSPORTED BY ANY KINDS OF VEHICLES,  
BUT NEED AVOIDING BEING STRICKEN BY  
RAIN, SNOW AND MECHANISM.  
THE BELOW CONDITIONS: THE TEMPERATURE  
IS KEPT WITHIN THE LIMITS OF SUBZERO  
THEN DEGREE CENTIGRADE TO FORTY DEGREE

SHOULD BE NOT MORE THAN EIGHTY PERCENT  
AND THERE IS NO ACID, ALKALI, SULFIDE,  
OZONE, ALKALINE AIR AND ANY OTHER  
POISONOUS GAS AROUND THE STOREHOUSE.