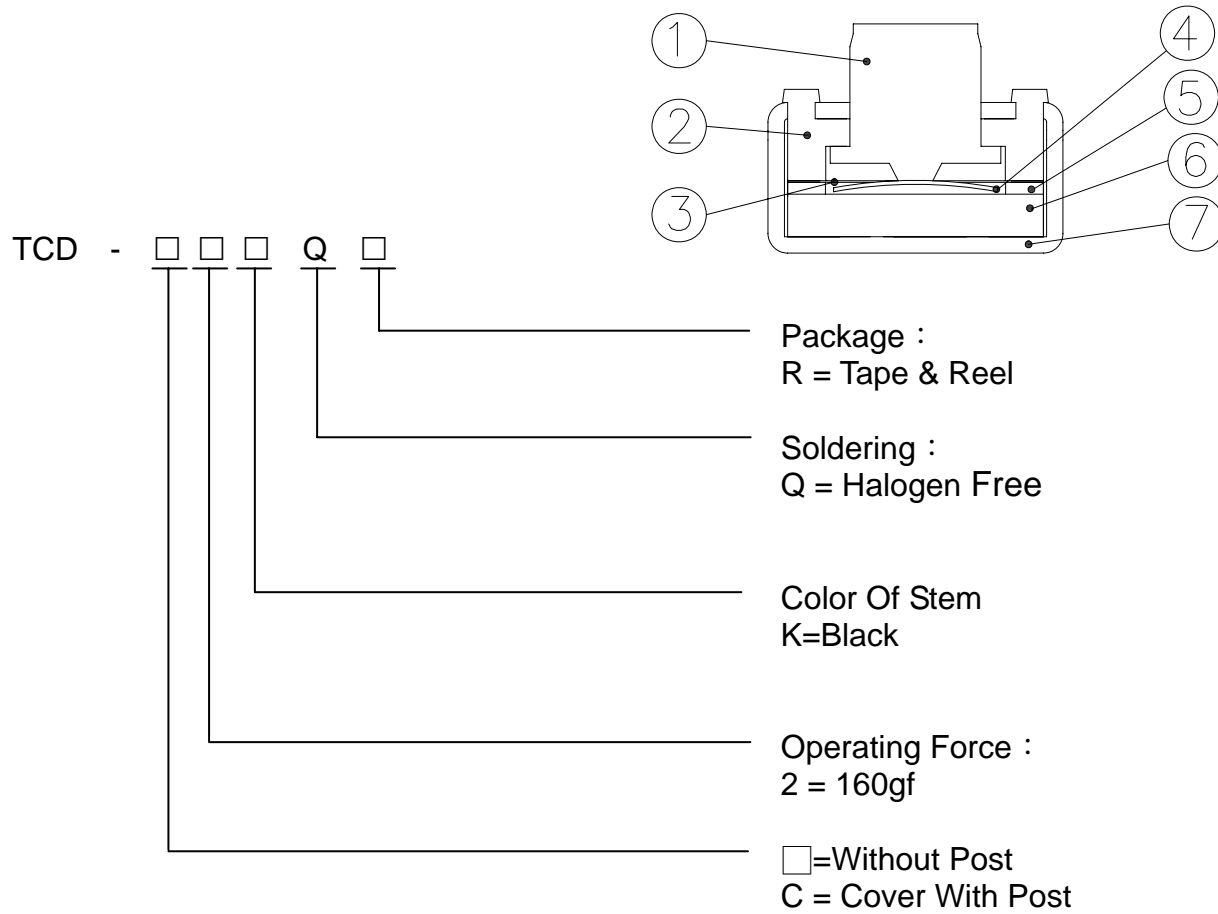




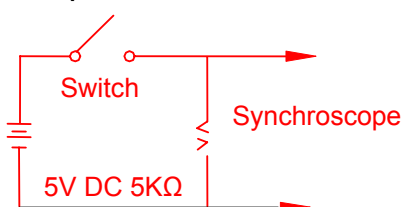
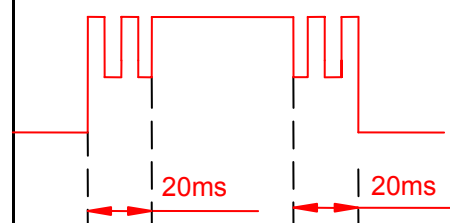
6	BASE	1	NPG-R	WITH GOLD PLATING	—
7	COVER	1	BRASS	WITH SILVER PLATING	—



A	DWG.REL	
REV.	ECO. NO.	APPD.

TITLE :	APPD. :
Right Angle TYPE	CHKD. : 謝炳仲
PRROD. NO. : TCD-□□□-Q	PR. : PAGGY
FILE NO. : E-Q-CT82	REV. : A SHEET : 1/1

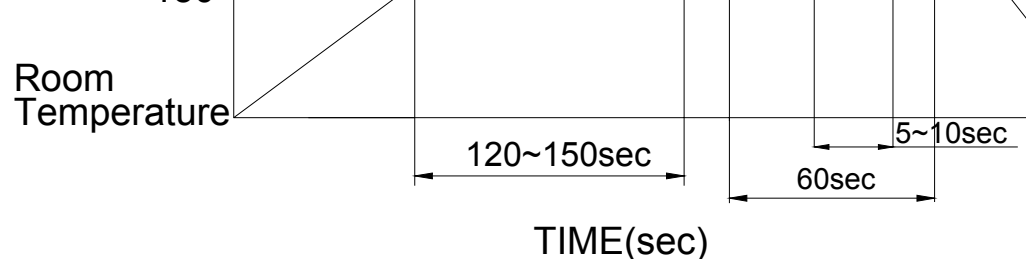
2. **Current Range:** 50mA , 12 V DC
3. **Type of Actuation:** Tactile feedback
4. **Test Sequence:**

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
<b>APPEARANCE</b>	1	Visual Examination	By visual examination check without any out pressure & testing.	There shall be no defects that affect the serviceability of the product.
<b>ELECTRIC PERFORMANCE</b>	2	Contact Resistance	Applying a static load 1.5~2 times the operating force to the center made with a 1 kHz small current contact resistance meter.	100mΩ Max.
	3	Insulation Resistance	Measurements shall be made following application of 100 V DC potential across terminals and cover for 1 minute ±5 seconds.	100MΩ Min.
	4	Dielectric Withstanding Voltage	250 V AC(50Hz or 60Hz) shall be applied across terminals and cover for 1 minute	There shall be no breakdown or flashover.
	5	Bounce	3 to 4 operations at a rate of 1 cycles per second 	20 m seconds Max. 

MECHANICAL PERFORMANCE

7	Stroke	increasing the load applied to the stem, the stroke distance for the stem to come to a stop shall be measured.	0.2±0.1mm
8	Stop Strength	Placing the switch such that the direction of switch operation is horizontal, a static load of 3 kgf(29.4N) shall be applied in the direction of stem operation for a period of 15 seconds	1)As shown in item 4~7 2)Contact Resistance: 200mΩ Max 3)Insulation Resistance: 10MΩ Min
9	Solder Heat Resistance	■ SMT Type ~TCD Series (PCB is 1.2 mm in thickness)	① Shall be free from pronounced backlash and falling-off or breakage terminals ② As shown in item 4、5 ③ Contact Resistance: 200mΩ Max ④ Insulation Resistance: 10MΩ Min
10	Vibration	Shall be vibrated in accordance with Method 201A of MIL-STD-202F 1) Swing distance=1.5mm 2) Frequency: 10-55-10Hz in 1-min/cycle. 3) Direction: 3 vertical directions including the directions of operation 4) Test time: 2 hours each direction	1)As shown in item 4~7 2)Contact Resistance: 200mΩ Max 3)Insulation Resistance: 10MΩ Min
11	Shock	Shall be shocked in accordance with Method 213B condition A of MIL-STD-202F 1) Acceleration; 50G 2) Action time: 11±1m seconds 3) Testing Direction: 6 sides 4) Test Cycle: 3 times in each direction	Ditto

<b>WEATHER-PROOF</b>	13	Resistance Low Temperature	<p>Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made:</p> <p>1) Temperature:-40±2°C 2) Time: 96 hours</p>	<p>1)As shown in item 4~7 2)Contact Resistance: 200mΩ Max 3)Insulation Resistance: 10MΩ Min</p>
	14	Heat Resistance	<p>Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made:</p> <p>1) Temperature:85±2°C 2) Time: 96 hours</p>	Ditto
	15	Humidity Resistance	<p>Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made:</p> <p>1) Temperature:60±2°C 2) Relative Humidity: 90~95% 3) Time: 96 hours</p>	Ditto



- The condition mentioned above is the temperature on the Cu foil of the PCB surface. There are cases where board's temperature greatly differs from switch's surface be used not to allow switch's surface temperature to exceed 260°C.

■ Manual Soldering

Soldering Temperature	350°C MAX.
Continuous Soldering Time	5 second MAX.

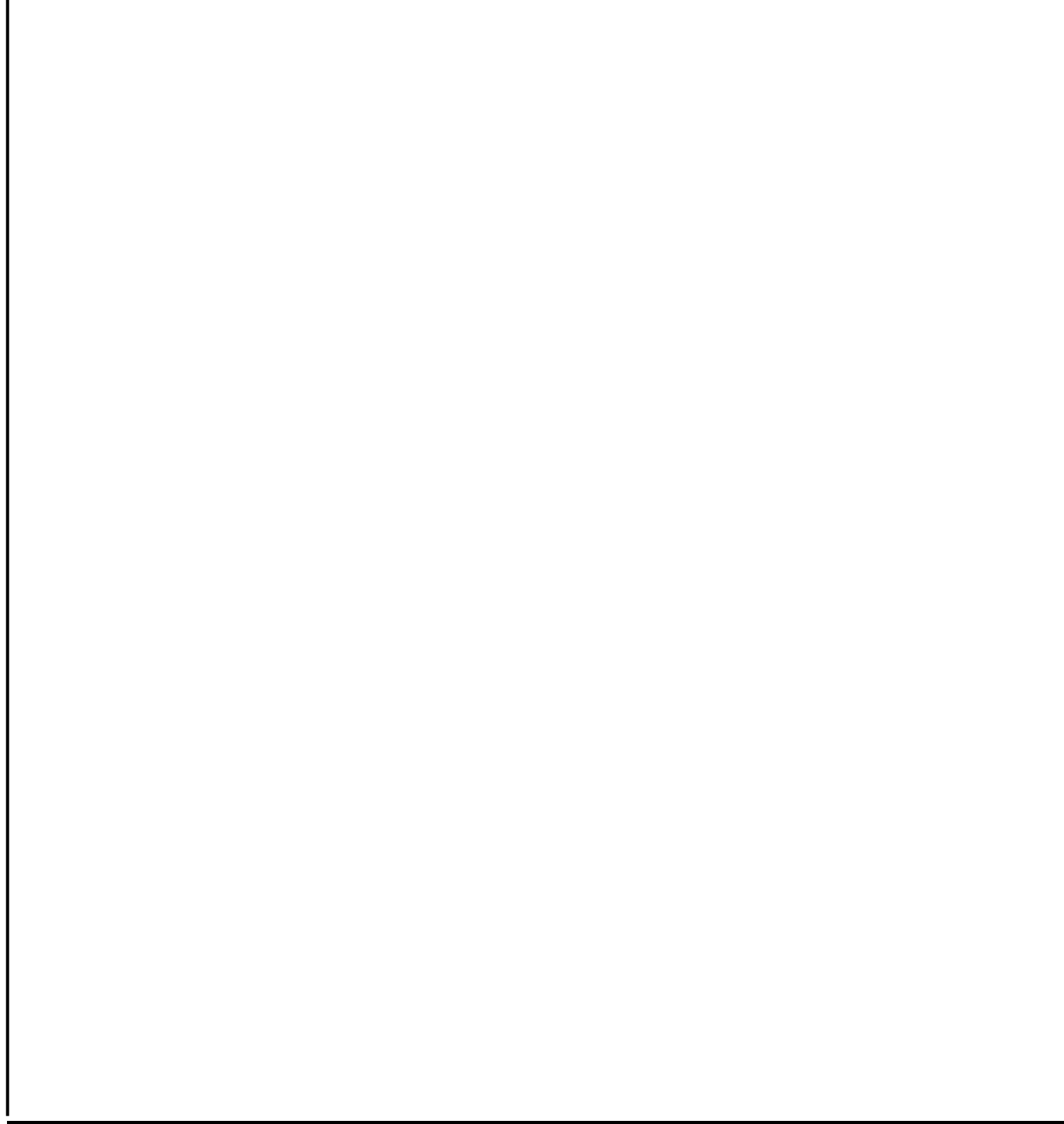
■ Precautions in Handling

1. Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.
2. Except for washable type do not wash the switch

■ Notes on storage conditions:

Do not store in the following environment or it may affect product's function and solderability:

1. temperature of -10 (max) ~ +40 (min) °C & humidity at 85% (min)
2. environment with corrosive gas
3. storage over 6 months
4. place of direct sunlight



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