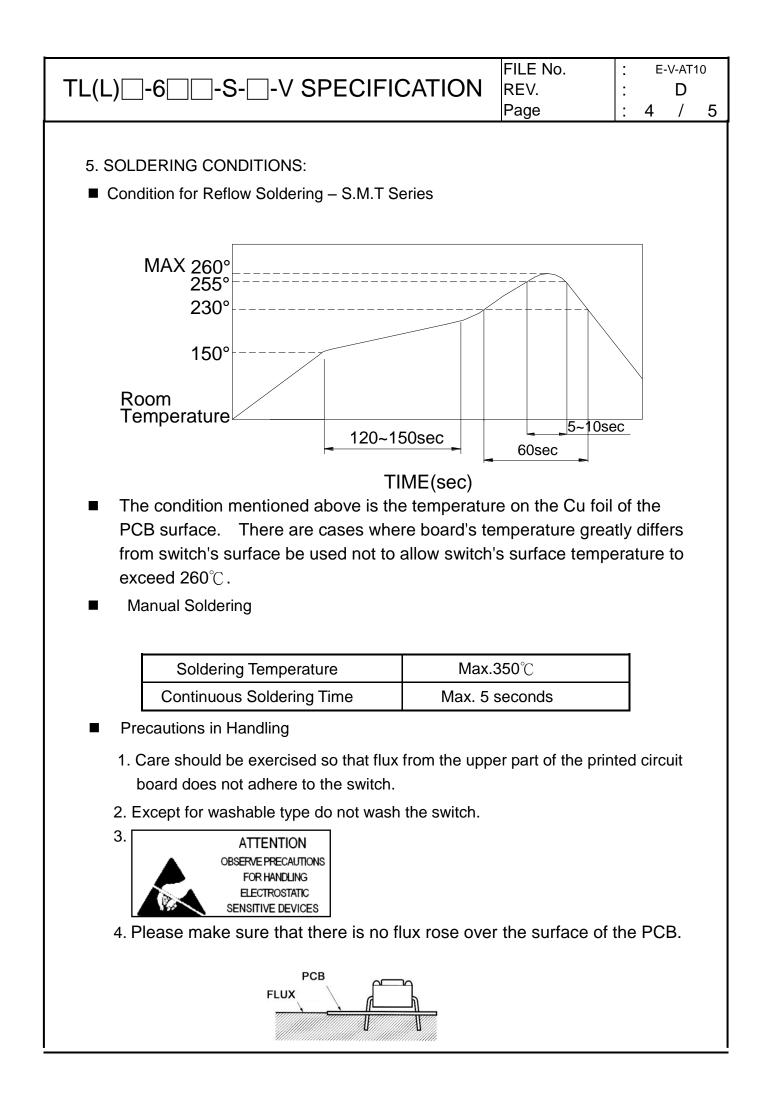
	ΤL	.(L)[	]-6[][-S-[	-V SPECIFICATION RE	.E No. ⊠V. ge	: E : : 1	-v-at D /	<sup>10</sup> 5
	1	swi ele 1.1 1.2 1.3 2 3	s specification of tch of electric d ctrical characte Operating Ten Storage Temp The shelf life of <b>Current Ran</b> Please refer	nperature Range : $-25 \degree C \sim +70 \degree C$ erature Range : $-30 \degree C \sim +80 \degree C$ of product is within 6 months. ge: 50mA, 12V DC LED rating from LED spec ation: Tactile feedback	•	-	Ind	
[	$\overline{\ }$	ITEM	DESCRIPTION	TEST CONDITIONS	REQU	IREMEN	ITS	
	APPEARANCE	1	Visual Examination	By visual examination check withou any out pressure & testing	There sha It defects th serviceab product.	at affe	ct the	e
		2	Contact Resistance	Applying a static load 1.5-2 times the operating force to the center of the stem, measurements shall be made with a 1 kHz small current contact resistance meter	100mΩ M	ax		
		3	Insulation Resistance	Measurements shall be made following application of 500 V DC potential across terminals and cove for 1 minute ± 5 seconds	er 100MΩ m	in		
	ER	4	Dielectric	250 V AC(50Hz or 60Hz) shall be	There sha	ll be n	0	
	╸	4	Withstanding Voltage	applied across terminals and cover for 1 minute	breakdow			ver
	RIC	5	Capacitance	1 MHz ±10 kHz	5 pF max.			
	ELECTRIC	6	Bounce	3 to 4 operations at a rate of 1 cycles per second	5 m secor		IX.	

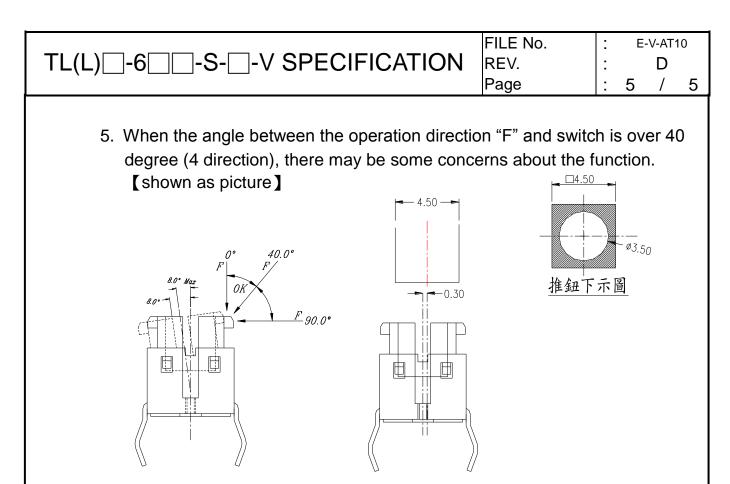
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	7	Operating Force	Applied in the direction of operation	100 ±50g [.98 ±.49N]	160 ±50g [1.568 ±.49N]	260 ±50g [2.548 ±.49N]	520 ±130g <sup>[5.1</sup> ±1.27N]	
	8	Stroke	Placing the switch such that the direction of switch operation is vertical and then gradually increasing the load applied to the stem, the stroke distance for the stem to come to a stop shall be measured	0.20±0.10mm				
PERFORMANCE	9	Stop Strength	Placing the switch such that the direction of switch operation is vertical, a static load of 3 kgf (29.4N)shall be applied in the direction of stem operation for a period of 15 seconds	<ul> <li>①As shown in item 4~7</li> <li>②Contact Resistance: 200mΩ Max</li> <li>③Insulation Resistance: 10MΩ min</li> </ul>				
MECHANICAL PE	10	Solder Heat Resistance	<ul> <li>Through Hole Type</li> <li>Soldering Temperature:260±5°C</li> <li>Duration of Solder Immersion: 5±1 seconds</li> <li>Frequency of Soldering Process 2 times max. (PCB is 1.6mm in thickness)</li> <li>SMT Type ~ Series(4/4)</li> </ul>	falling-off or breakage terminals				
	11	Vibration	<ul> <li>Shall be vibrated in accordance with Method 201A of</li> <li>MIL-STD-202F</li> <li>Swing distance=1.5mm</li> <li>Frequency: 10-55-10Hz in 1-min/cycle.</li> <li>Direction: 3 vertical directions including the directions of operation</li> <li>Test time: 2 hours each direction</li> </ul>	<ul> <li>DAs shown in item 4~7</li> <li>Contact Resistance: 200mΩ Max</li> <li>Insulation Resistance: 10MΩ min</li> </ul>				
MECHANICAL PERFORMANCE	12	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		Di	tto		

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MECHANICAL PERFORMANCE	13	Solderability	<ol> <li>Through Hole Soldering Temperature : 245±3℃ Lead-Free solder : M705E JIS Z 3282 A (Tin 96.5%, Silver 3%, Copper 0.5%)</li> <li>Flux : 5~10 sec</li> <li>Duration of solder Immersion : 5±1 sec</li> </ol>	No anti-soldering and the coverage of dipping into solder must more than 66% were requested.
DURABILITY	14	Operating Life	Measurements shall be made following the test forth below: 1)5mA,5 VDC resistive load 2)Applying a static load the operating force to the center of the stem in the direction of operation Static Load = OF Max. 3)Cycle of Operation: 500,000 cycles min~100 \ 160g 200,000 cycles min.~260g	<ol> <li>As shown in item 4          &lt; 5</li> <li>Operating force:±50% of initial force.</li> <li>Contact Resistance: 10Ω Max</li> <li>Insulation Resistance: 10MΩ min</li> <li>Bounce: 10 m seconds Max</li> </ol>
	15	Low	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: 1)Temperature:-25±3°C 2)Time: 96 hours	<ul> <li>①As shown in item 4~7</li> <li>②Contact Resistance: 200mΩ Max</li> <li>③Insulation Resistance: 10MΩ min</li> </ul>
WEATHER-PROOF	16	Heat Resistance	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: 1)Temperature:80±2°C 2)Time: 96 hours	Ditto
M	17	Humidity Resistance	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: 1)Temperature:40±2°C 2)Relative Humidity: 90~95% 3)Time: 96 hours	Ditto





6. After reflow, do not touch LED before cooling ,or it could influence LED function.

7. It is a normal material characteristic when whiting on plastic after reflow

Notes on storage conditions:

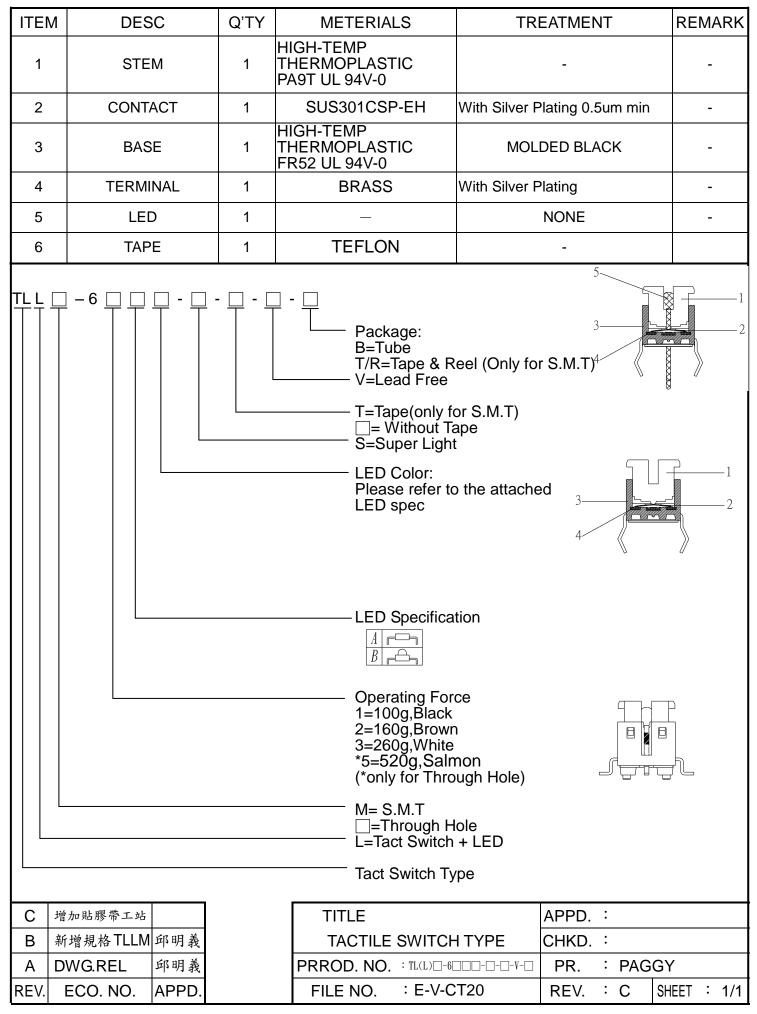
Do not store in the following environment or it may affect product's function and solderbility:

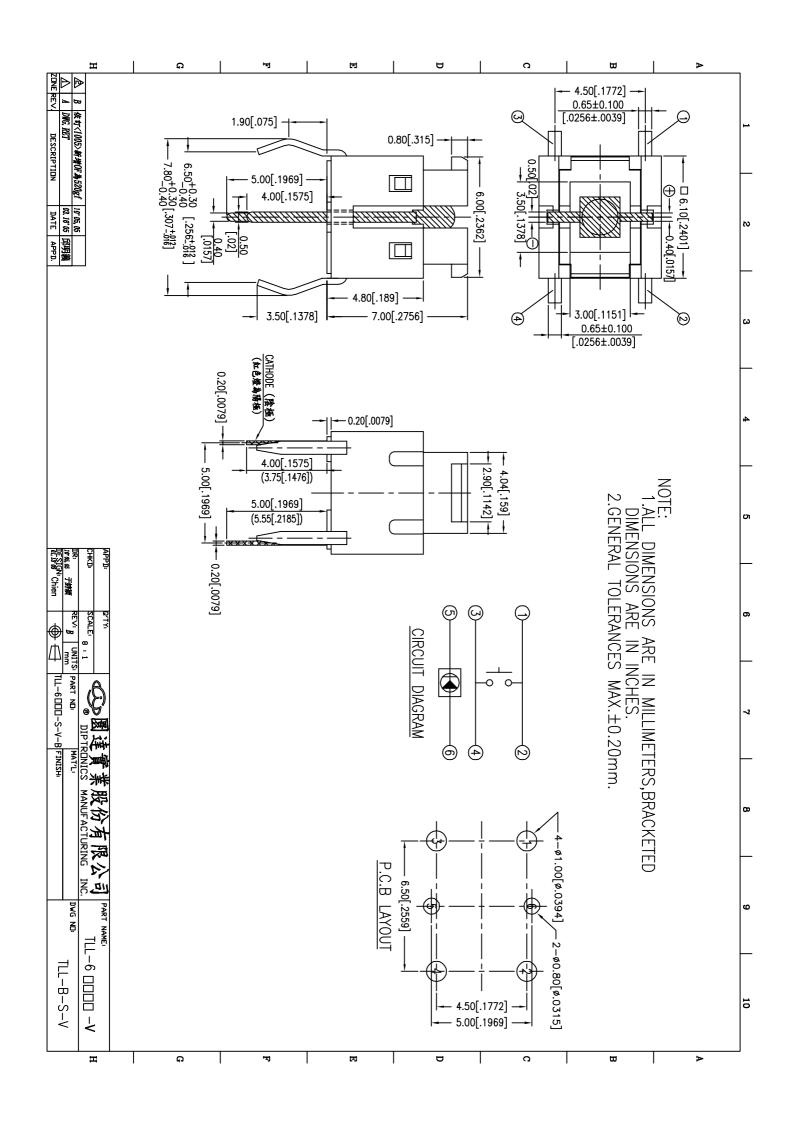
- 1. temperature of -10 (max) ~ +40 (min)  $^{\circ}$ C & humidity at 85% (min)
- 2. environment with corrosive gas
- 3. storage over 6 months
- 4. place of direct sunlight

Store with proper packaging conditions and to avoid loading heavy force

We suggest to use the products within 3 months or at least 6 months.

After opening the package, the rest products must be stored in the appropriate moisture-proof & airtight environment





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