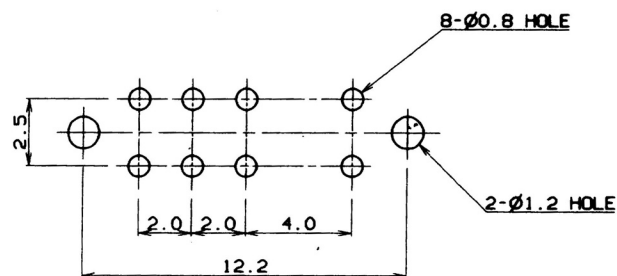
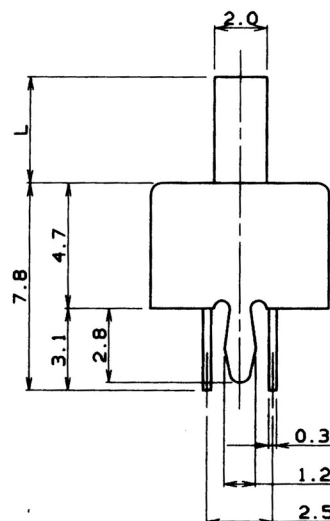
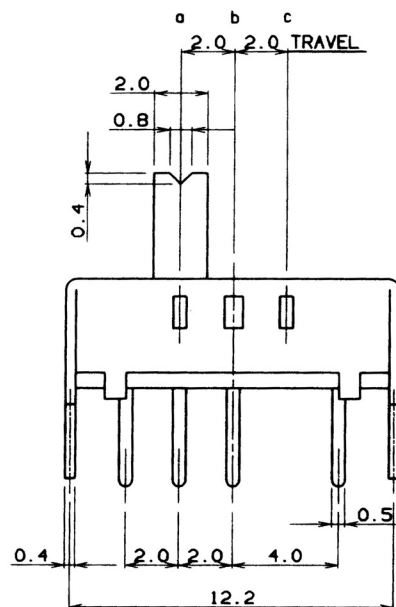
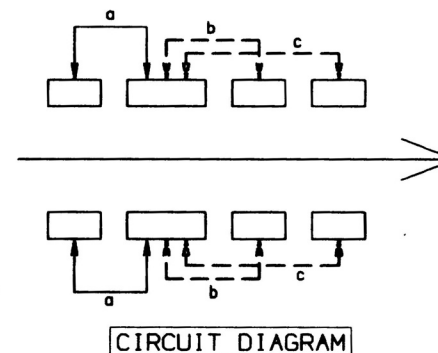


原图



P.C.B MOUNTING HOLE DIMENSION

MODEL	CODE NO	L	MATERIAL	LOGO
YSS2305	110052305066	4.0	SLIDER: ACETAL	N
YSS2305A	110052305067	2.0	INSULATOR: XXPC	
YSS2305V0	110052305068	4.0	SLIDER: PPS, INSULATOR: FR-2	
YSS2305C	110052305166	7.7	SLIDER: ACETAL	E
ESS2305	110052305127	4.0	SLIDER: ACETAL	
ESS2305A	110052305138	2.0	INSULATOR: XXPC	
ESS2305V0	110052305128	4.0	SLIDER: PPS, INSULATOR: FR-2	
ESS2305C	110052305145	7.7	SLIDER: ACETAL	



#### NOTE

1. RATING : 0.2A 30V DC
2. OPERATING FORCE : a→b←c 250±100 gf  
a←b→c 300±100 gf
3. TIMING : NON SPECIFIED
4. CIRCUIT : 2C-3P
5. TRAVEL : 2+2=4
6. GENERAL TOLERANCE : ±0.3
7. MANUFACTURING SPECIFICATION WOULD BE ACCORDANCE WITH JISO101

No.	PART NAME	Q'TY	MATERIAL	SIZE	TREAT.	REMARKS
△			3RD ANGLE PROJECTION	UNIT m/m	SCALE 5 1	MODEL JSS,ESS 2305SERIES
△			APPROVED	CHECKED	DESIGNED	DWG. NAME ASS'Y DIAGRAM
△	05.11.01	200000	SIGN		05.11.01	DWG. NO. CODE NO

	SPECIFICATION	PAGE
	SLIDE SWITCH	1 / 3

## 1. GENERAL

1.1 Application : This specification is applied to low current circuit slide switch for electronic equipment.

1.2 Operating temperature range :  $-10 \sim 60^{\circ}\text{C}$

1.3 Test conditions : The standard test conditions shall be  $5 \sim 35^{\circ}\text{C}$  in temperature, 45 ~ 85% RH and 860 ~ 1060mbar in atmospheric pressure. Should any doubt arise in judgement, tests shall be conducted at  $20 \pm 2^{\circ}\text{C}$ ,  $65 \pm 5\%$  RH and 860 ~ 1060mbar.

## 2. RATED VOLTAGE AND CURRENT.

DC 30V 0.2A

## 3. ELECTRICAL PERFORMANCE

	PROPERTY	TEST CONDITIONS	PERFORMANCE
3.1	Contact resistance	Measured at $1\text{KHz} \pm 200\text{Hz}$ (max 20mV, max 50mA) or at DC 1A 5V	* 30m $\Omega$ max.
3.2	Insulation resistance	DC 500V is applied between terminals and between terminals and earth for 1minute $\pm$ 5 seconds.	* 100M $\Omega$ min.
3.3	Withstand voltage	AC 800V and 1100V is applied between terminals and between terminals and earth for 1 minute.	* No insulation defect shall be observed.

## 4. MECHANICAL PERFORMANCE

	PROPERTY	TEST CONDITIONS	PERFORMANCE
4.1	Operating force	A static load shall be applied to the tip of actuator in operating direction.	* As per individual manufactured drawing.
4.2	Terminal strength	A static force of 500gf is applied in one direction to the tip of the terminal for 1 minute. (once per terminal)	* Shall be free falling off or breakage of terminal and breakage of substrate as * Bent terminal may be acceptable * The electrical performance requirement specified in Item 3 shall be met.

						APPD	CHKD	DSGN	TITLE
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	SLIDE SWITCH	2 / 3

	PROPERTY	TEST CONDITIONS	PERFORMANCE									
4.3	Lever strength	A static force of 2Kgf shall be applied to the direction of operation for 15 seconds. A static force of 2Kgf shall be applied in the direction of pulling for 15 seconds.(for free state) A static force of 1Kgf shall be applied to the vertical direction of operation at the lever for 15 seconds.	* Shall be free from pronounced wobbe bending and other mechanical abnormalities.									
4.4	Lever deviation	A static load of 100gf is vertically applied to the tip of the operating part.	* 1mm max									
4.5	Solderability	The test is conducted under the following condition. Soldering temperature : 230±5 °C Dipping time : 3±0.5 sec	* Over 90% of the immersed part shall be covered with solder.									
4.6	Soldering heat resistance	<div>The test is conducted under the following condition. &lt; Temperature and dipping time &gt;<table><tr><td></td><td>Temperature (°C)</td><td>Time (sec)</td></tr><tr><td>Dip soldering</td><td>260 ± 5</td><td>5 ± 1</td></tr><tr><td>Manual soldering</td><td>350 ± 10</td><td>3</td></tr></table></div>		Temperature (°C)	Time (sec)	Dip soldering	260 ± 5	5 ± 1	Manual soldering	350 ± 10	3	<div>* Shall be free from a remarkable change in appearance.</div> <div>*The electrical performance requiremant specified in Item 3 shall be met.</div>
	Temperature (°C)	Time (sec)										
Dip soldering	260 ± 5	5 ± 1										
Manual soldering	350 ± 10	3										

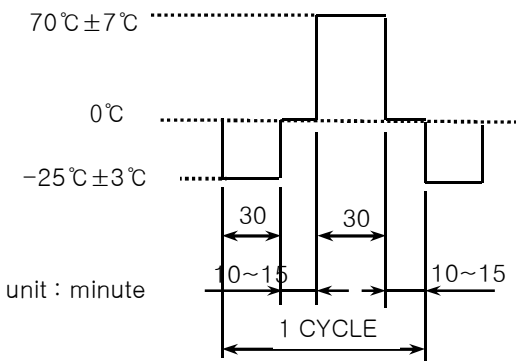
## 5. DURABILITY

	PROPERTY	TEST CONDITIONS	PERFORMANCE
5.1	Mechanical operation	10,000 cycles operation at the rate of 15~20 cycles/minute without load shall be done.	* Contact resistance : 50mΩ max. * Insulation resistance : 10MΩ min. * Dielectric strength : no dielectric breakdown shall take place when AC 500V is applied for 1 minute.
5.2	Mechanical operation with electrical load	10,000 cycles operation at the rate of 15~20 cycles/minute with (load : As per individual manufactured drawing)	* Operating force : within +10% -50% of the initial value. * No abnormality shall be recognized in appearance and structure

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## 6. WEATHER PROOF

	PROPERTY	TEST CONDITIONS	PERFORMANCE
6.1	Cold heat proof	After testing at $-30\pm 2^{\circ}\text{C}$ for 96 hours, the sample is allowed to stand under normal temperature and humidity conditions for 1 hour and measurement is performed within 1 hour after that. Water drops should be wiped off.	<ul style="list-style-type: none"> <li>* Contact resistance : <math>50\text{m}\Omega</math> max.</li> <li>* Insulation resistance : <math>10\text{M}\Omega</math> min.</li> <li>* Dielectric strength : no dielectric breakdown shall take place when AC 500V is applied for 1 minute.</li> </ul>
6.2	Dry heat proof	After testing at $85\pm 2^{\circ}\text{C}$ for 96 hours, the sample is allowed to stand under normal temperature for 1 hour and measurement is performed within 1 hour after that.	<ul style="list-style-type: none"> <li>* Operating force : within +10% -50% of the initial value.</li> <li>* No abnormality shall be recognized in appearance and structure.</li> </ul>
6.3	Damp heat proof	After test at $60\pm 2^{\circ}\text{C}$ and 90~95% in relative humidity for 96 hours, the sample is allowed to stand under normal temperature and humidity conditions for 1 hour, and measurement is performed within 1 hour after that. Water drops should be wiped off.	* Same as Item 6.1, 6.2
6.4	Temperature cycle test	<p>After testing conducted under 5 cycles , the sample is allowed to stand under normal temperature and humidity conditions for 1 hour and measurement is performed within 1 hour after that. Water drops should be wiped off.</p>  <p>unit : minute</p> <p>1 CYCLE</p>	

						APPD	CHKD	DSGN	TITLE
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									DOCUMENT NO.
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