

# DATA SHEET 数据表

**BONSDA CODE :** SDSR-16H  
代码

**DESCRIPTION :** ROTARY DIP SWITCH  
描述

## CUSTOMER APPROVAL

客户确认

**PART NO. :** \_\_\_\_\_  
料号

**SIGNATURES :** \_\_\_\_\_  
签章

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**1. Style:**

This specification describes "Rotary Switch" mainly used as signal switch of electric devices with the general requirements of mechanical and electrical characteristics.

1.1 Operating / Storage Temperature Range : -40°C ~ +85°C

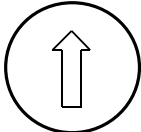
**2. Current Range:**

2.1 None-Switching : 200mA, 42V

2.2 Switching : 150mA, 42V

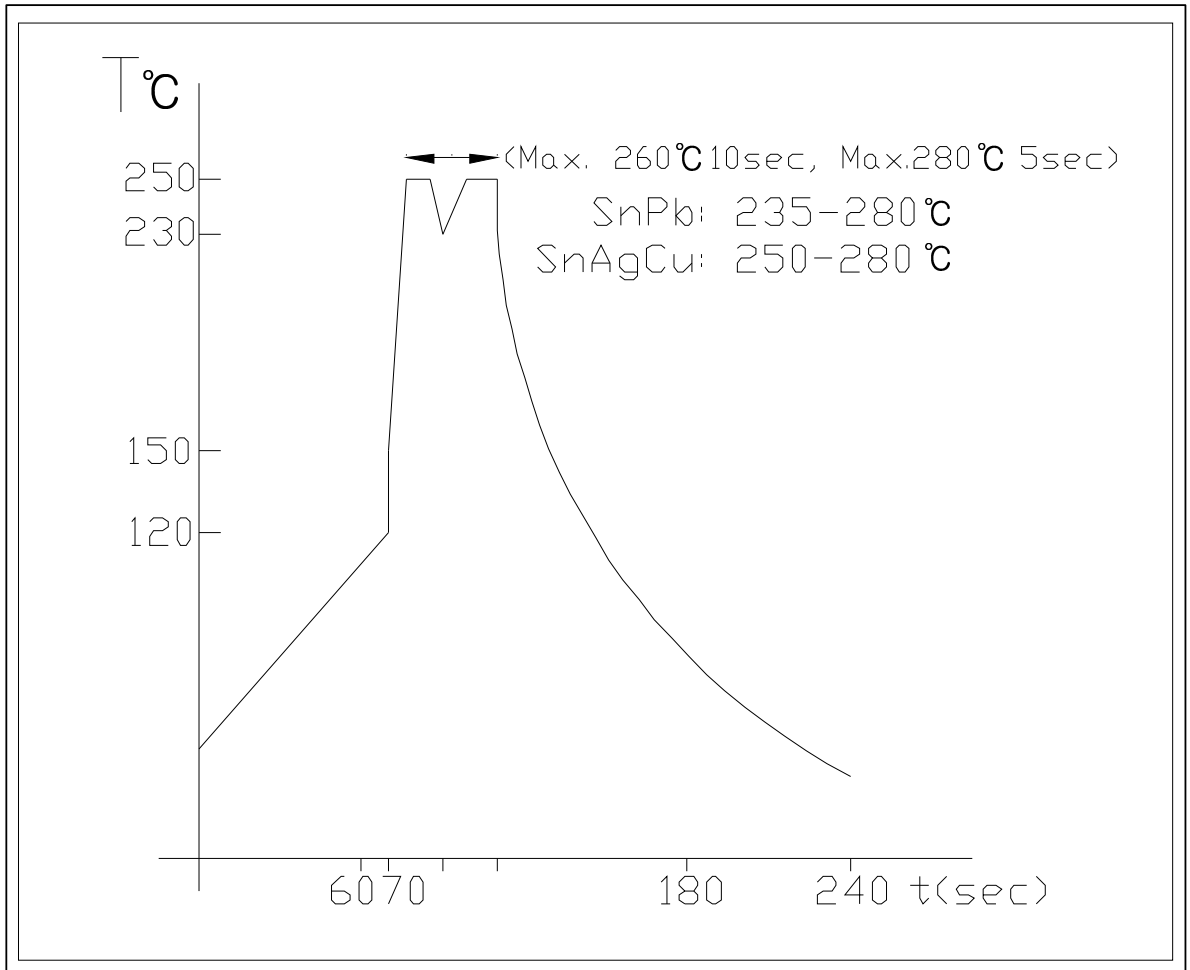
**3. Type of Actuation : Rotating**

**4. Test Sequence :**

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
<b>ELECTRICAL PERFORMANCE</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
	2	Contact Resistance	① To be measured between the two terminals associated with each switch pole ② Measurements shall be made with a 1kHz shall current contact resistance meter	80mΩ max
	3	Insulation Resistance	250V DC, 1minute ±5seconds	100MΩ min
	4	Dielectric withstanding Voltage	250V AC(50Hz or 60Hz)shall be applied between all the adjacent terminal and between the terminal and the frame For 1 minute	There shall be no breakdown or flash over
<b>MACHIN</b>	5	Operation Force	Applied in the direction of operation 	700gf/cm. max

<b>P E R F O R M A N C E</b>	<b>6</b>	<b>Operation Life</b>	<p>Measurements shall be made following the test set forth below:</p> <ol style="list-style-type: none"> <li>1)150mA, 42V DC resistive load</li> <li>2)Rate of operation: 15~20 cycles/ minute</li> <li>3)Step of operation: 10,000 steps</li> </ol>	<ol style="list-style-type: none"> <li>1)As shown in item 3,4</li> <li>2)Contact Resistance: 200mΩ max</li> <li>3)Final-after test</li> </ol>	
	<b>W E A T H E R  P R O O F</b>	<b>7</b>	<b>Resistance Low Temperature</b>	<p>Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made:</p> <ol style="list-style-type: none"> <li>1)Temperature: -40℃ ±3℃</li> <li>2)Time: 96 hours</li> </ol>	As shown in item 2~5
		<b>8</b>	<b>Resistance High Temperature</b>	<p>Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made:</p> <ol style="list-style-type: none"> <li>1)Temperature: 85℃ ±2℃</li> <li>2)Time: 96 hours</li> </ol>	<ol style="list-style-type: none"> <li>1)As shown in item 3~5</li> <li>2)Contact Resistance: 200mΩ max</li> </ol>
<b>9</b>		<b>Resistance Humidity</b>	<p>Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made:</p> <ol style="list-style-type: none"> <li>1)Temperature: 40℃ ±2℃</li> <li>2)Relative humidity: 90~95%</li> <li>3)Time: 96 hours</li> </ol>	<ol style="list-style-type: none"> <li>1)As shown in item 4</li> <li>2)Contact Resistance: 200mΩ max</li> <li>3)Insulation Resistance: 10MΩ min</li> </ol>	

**5. Wave Soldering Conditions:**



**6. manual Soldering**

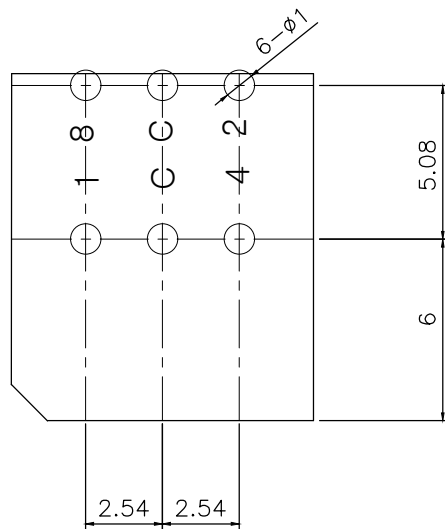
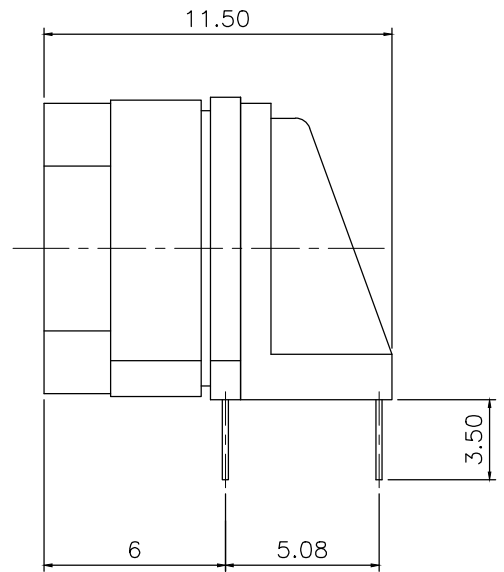
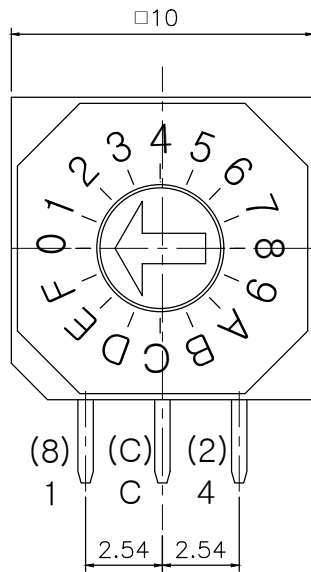
**: Max. 350°C Max. 3sec**

**7. This item is "ROHS" Compliant**

**8. Part List**

NO	PART NAME	Q'TY	MATERIALS	TREATMENT	REMARK
1	COVER	1	PA66		Print:Black
2	BASE	1			
3	ACTUATOR	1	POM		
4	CONTACT & TERMINAL	1	PHOSPHOR BRONZE	CONTACT AND TERMINAL PLATING: GOLD PLATING OVER NICKEL	Au0.07 $\mu$ m Min Ni0.1 $\mu$ m Min
5	PCB	1	EPOXY	PLATING: GOLD PLATING	Au0.05 $\mu$ m Min
6	O-Ring	1	SILICONE		

MRK.	DATE
△	



P.C.B DIMENSION

01	-
NO.	DESCRIPTION
DRAW/DESIGNED	CHECKED
W. J. LEE	J. P. ROH

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