

- 规格书 -

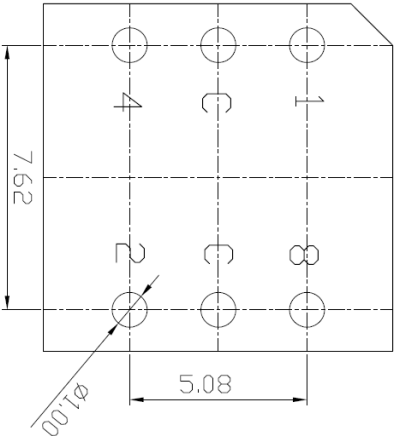
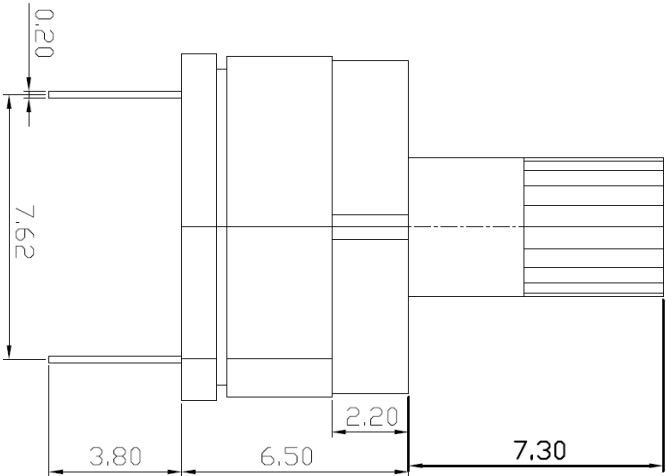
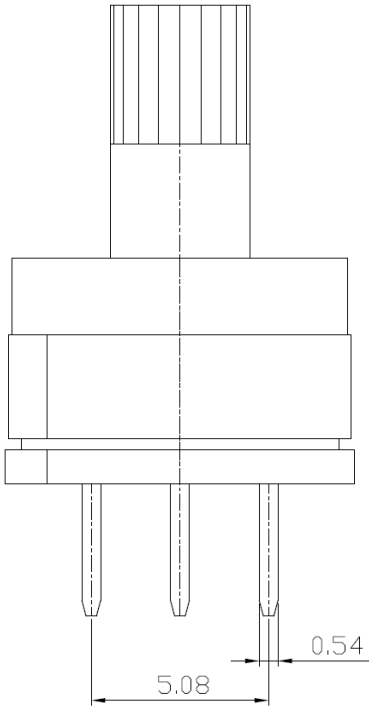
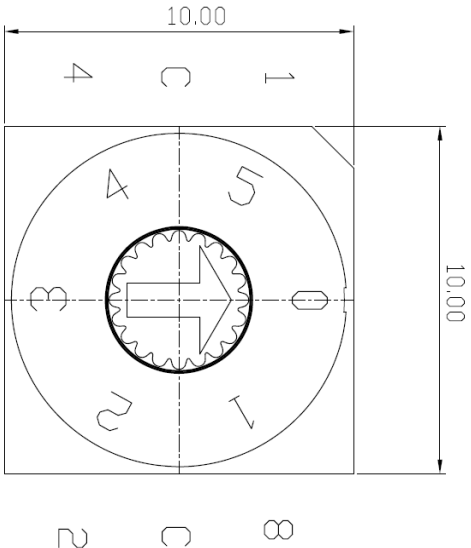
产品型号: MHR-06

产品名称: 旋转编码开关

SM SWITCH CO.,LTD

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Real Code	
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APPD	CHKD	D'SGD	TITLE
Y.D. NAMG	J.S. KIM	H.S. LEE	ROTARY DIP SWITCH
MODEL NO.			MHR-06
SM SWITCH CO., LTD.			REV A

ROTARY DIP SWITCH SPECIFICATION

Rev. A
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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℃ ~ +85℃

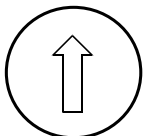
2. Current Range:

2.1 None-Switching : 200mA, 42V

2.2 Switching : 150mA, 42V

3. Type of Actuation : Rotating

4. Test Sequence :

E L E C T R I C P E R F O R M A N C E	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
	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
	5	Operation Force	Applied in the direction of operation 	700gf/cm. max



ROTARY DIP SWITCH SPECIFICATION

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Operation
Life

Measurements shall be made following the test set forth below:
1)150mA, 42V DC resistive load
2)Rate of operation: 15~20 cycles/ minute
3)Step of operation: 10,000 steps

1)As shown in item 3,4
2)Contact Resistance:
200m Ω max
3)Final-after test

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Resistance
Low
Temperature

Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made:
1)Temperature: -40℃ $\pm$ 3℃
2)Time: 96 hours

As shown in item 2~5

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Resistance
High
Temperature

Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made:
1)Temperature: 85℃ $\pm$ 2℃
2)Time: 96 hours

1)As shown in item 3~5
2)Contact Resistance:
200m Ω max

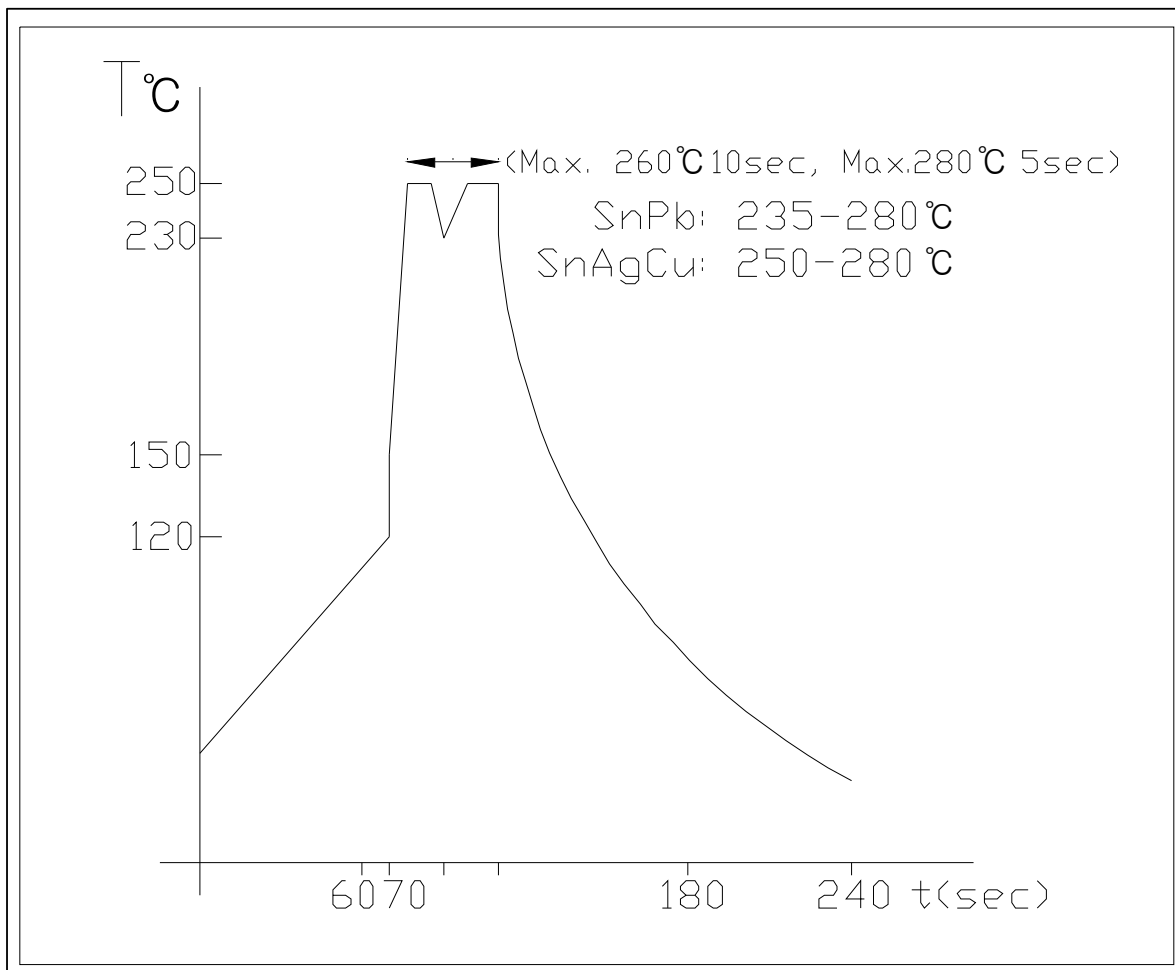
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Resistance
Humidity

Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made:
1)Temperature: 40℃ $\pm$ 2℃
2)Relative humidity: 90~95%
3)Time: 96 hours

1)As shown in item 4
2)Contact Resistance:
200m Ω max
3)Insulation Resistance:
10M Ω min

5. Wave Soldering Conditions:



6. manual Soldering

: Max. 350 $^{\circ}\text{C}$ Max. 3sec

7. This item is "ROHS" Compliant

ROTARY DIP SWITCH SPECIFICATION

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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	Au0.03 μ m Min Ni0.1 μ m Min
5	PCB	1	EPOXY	PLATING: GOLD PLATING	Au0.05 μ m Min
6	O-Ring	1	SILICONE		