

DATA SHEET 数据表

BONSDA CODE : _____ **UDR-16**
邦斯达代码 _____

DESCRIPTION : ROTARY DIP SWITCH

CUSTOMER APPROVAL

客户确认

PART NO. : _____

SIGNATURES : _____

SHENZHEN ZIGENG TECHNOLOGY CO., LTD.

ADDRESS D BUILDING 3TH FLOOR,ZIGENG RODA NO.49,KENGZI STREETS,
PINGSAN NEW DISTRICT SHENZHEN GUANGDONG PROVINCE CHINA

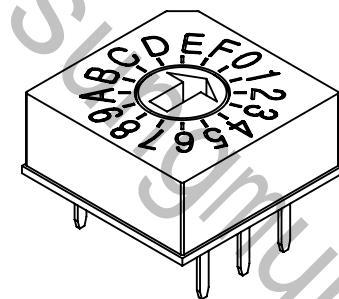
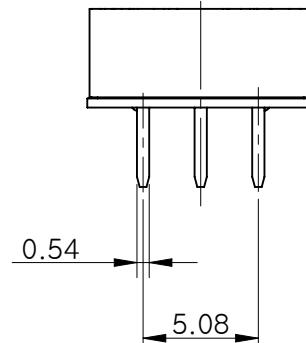
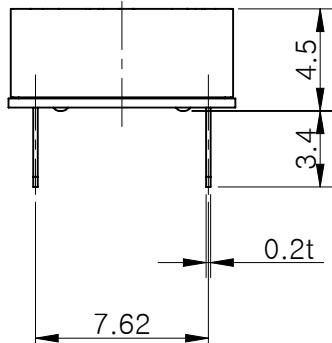
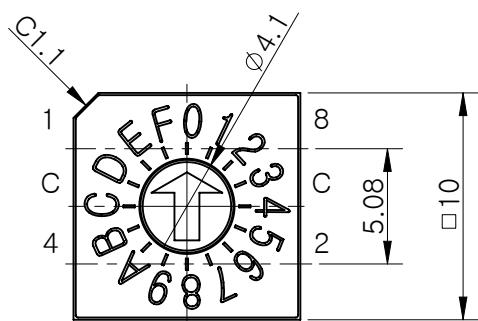
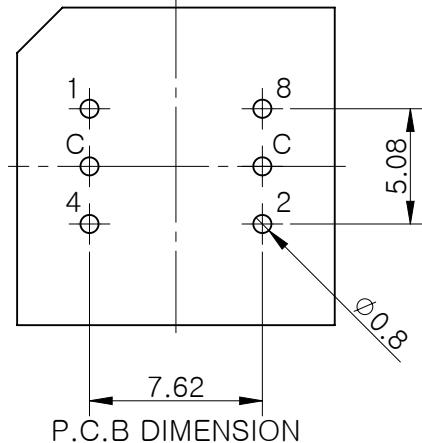
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MRK.	DATE	REVISION	SIGN
△			



Specification

- Rating : 25mA, 12V DC (Switching)
25mA, 24V DC (None-Switching)
- Contact Resistance : 100mΩ Max
- Insulation Resistance : 100MΩ Min
- Operating Force : 700gf Max
- Life cycle : 10,000 steps

		Real Code				
		C	1	2	4	8
10	P	0	●			
11	P	1	●	●		
12	P	2	●			
13	P	3	●	●	●	
14	P	4	●			
15	P	5	●	●	●	
16	P	6	●		●	●
17	P	7	●	●	●	●
18	P	8	●			
19	P	9	●	●		
A	A	A	●			
B	B	B	●	●	●	
C	C	C	●			
D	D	D	●	●	●	
E	E	E	●		●	●
F	F	F	●	●	●	●

STANDARD LAYOUT

01	UDR Series			재질 <지정안함>	1	-	
NO.	DESCRIPTION			MATERIAL	COLOR/FINISH	Q.TY	VENDOR
DRAW/DESIGNED	CHECKED	APPROVED		G.TOL	TITLE	UDR Series	
Y. M JEON	S. M PARK	J. P ROH		±0.1			
			UNIT	SCALE	MODEL	UDR-16	SHEET
			mm	3:1	SIZE	DRAW NO.	U0DR-1600-01
					DRAW NO.		

 SHENZHEN ZIGENG TECHNOLOGY CO., LTD
 BONSDA



"U/H" SERIES ROTARY DIP SWITCH SPECIFICATION (10X10)

Rev. 02
P : 1 / 3

1. Description:

This specification describes "10X10 slim size of Rotary Dip Switches" which is U&H series.

1-1 Operating / Storage Temperature Range : -40°C ~ +85°C

2. Rating:

2-1 None-Switching : 25 mA, DC 24V

2-2 Switching : 25 mA, DC 12V

3. Type of Actuation : Rotating

4. Electrical Characteristics

ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
4-1	Visual Examination	By visual examination check without any out pressure & testing.	There shall be no defects that affect the serviceability of the product.
4-2	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.	100mΩ max.
4-3	Insulation Resistance	250V DC, 1minute ±5seconds	100 MΩ min.
4-4	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 flashover.



"U/H" SERIES ROTARY DIP SWITCH SPECIFICATION (10X10)

Rev. 02
P : 2 / 3

5. Mechanical Characteristics

ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
5-1	Operation Force	Operating direction shall be clockwise or counter clockwise direction	700gf·cm max
5-2	Operation Life	Measurements shall be made following the test set forth below: 1)150mA, 24V DC resistive load 2)Rate of operation: 15~20 cycles/ minute 3)Step of operation: 10,000 steps	1)As shown in item 4-3, 4-4 2)Contact Resistance: 200mΩ max

6. Environmental Characteristics

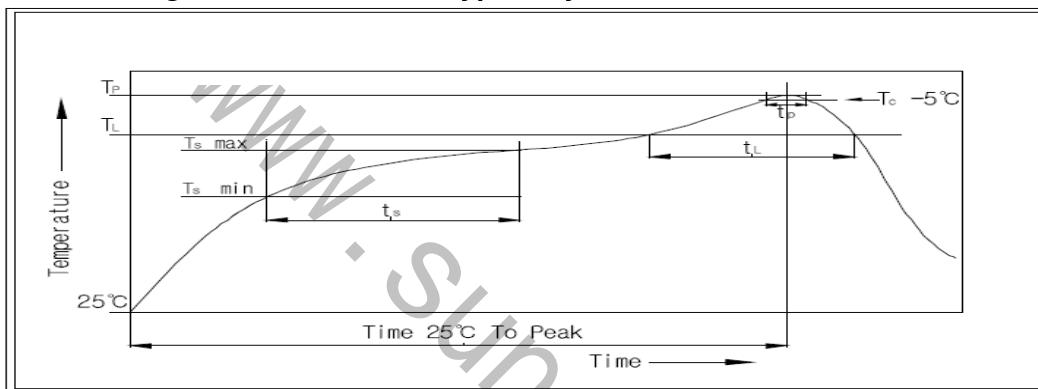
ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
6-1	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made: 1)Temperature: -40°C ±3°C 2)Time: 96 hours	1)As shown in item 4-3, 4-4, 5-1 2)Contact Resistance: 200mΩ max
6-2	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°C ±2°C 2)Time: 96 hours	1)As shown in item 4-3, 4-4, 5-1 2)Contact Resistance: 200mΩ max
6-3	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°C ±2°C 2)Relative humidity: 90~95% 3)Time: 96 hours	1)As shown in item 4-4, 5-1 2)Contact Resistance: 200mΩ max 3)Insulation Resistance: 10 MΩ min

7. This item is "RoHS" Compliant

8. Manual Soldering : Max 350°C, 3 sec.

9. Wave Soldering : Max 260°C, 5 sec.

10. Reflow Soldering Conditions: (SMD type only)



10-1 Condition for Soldering

Profile Feature	Pb-Free Assembly
Average Ramp-UP Rate(T_s max to T_p)	3°C/second max
Preheat	<ul style="list-style-type: none"> - Temperature Min(T_s min) - Temperature Max(T_s max) - Time (ts min to ts max)
Time maintained above:	<ul style="list-style-type: none"> - Temperature (T_L) - Time (t_L)
Peak/Classification Temperature(T_p)	217°C 60-150seconds
Time within 5°C of actual Peak Temperature(T_p)	260°C +0°C/ -5°C
Ramp-Down Rate	5~10 seconds
Time 25°C to Peak Temperature	6°C/sec max
	8 minutes max