



# DATA SHEET

## THT BCD ROTARY Switch

### Serie: Q28004

**THT BCD ROTARY Switch**

Serie No.: **Q28004**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	03.09.2013
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 6	

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## Specifications

### Material

Housing/Knob:	Thermoplastic
O-Ring:	Silicone Rubber
Terminal:	Precisious metal on phosphor bronze

### Mechanical:

Switching Positions	8, 10,16 positions
Operating force:	510gr-cm max.
Life:	10.000detens

### Electrical:

Max. Load Rating:	
Max. Switching:	100mA, 5VDC
Min. Switching:	10µA, 5VDC
Contact Resistance:	200mΩ max.
Insulation Resistance:	1000M Ω at 100VDC
Dielectric Strength:	250VAC for 1 minute

### Environmental:

Operating Temperature:	. -25°C to +70°C
Soldering Temperature:	max. 250 ± 5°C for 5 seconds

## Features

- Pin-Out compatible with the most equivalents items
- Low Profile 3mm Height
- Gold Plated contacts
- Molded-In terminals
- Snap-In mounting on PCB

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Switch Code

BCD Order Code = 08S					
Position	BCD 8 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					

BCD Order Code = 16S					
Position	BCD 16 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
A					
B					
C					
D					
E					
F					

BCD Order Code = 10C					
Position	BCD Complement 10Pos.				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					

BCD Order Code = 10S					
Position	BCD 10 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					

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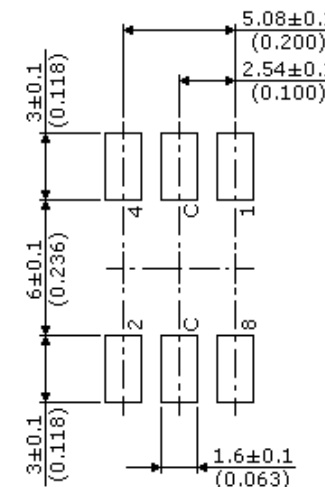
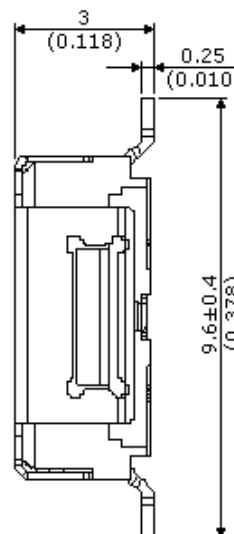
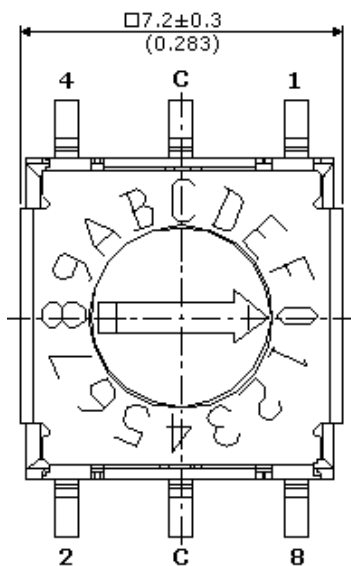


Switch Code

Technical Dimensions (mm)

PCB Layout (mm)

BCD Order Code = 16C					
Position	BCD Complement 16 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
A					
B					
C					
D					
E					
F					



Terminal Order Code 3 = (3+3)

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## Ordering Informations

Serie	BCD Order Code	Rotor Style	Terminal Style	ROHS	Packing Code					
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<b>Q28004</b>	<b>10S</b>	<b>00</b>	<b>3</b>	<b>R</b>	<b>TU</b>					
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<b>10S=</b> Type 10S	<b>Kn=</b> Flat Knob Type	<b>3=</b> (3+3) Legs	<b>R=</b> ROHS Conform	<b>TU=</b> Tube Packing
<b>08S=</b> Type 08S			<b>N=</b> NON ROHS Conform	<b>TY=</b> Tray Packing
<b>16S=</b> Type 16S				<b>BU=</b> Bulk Ware
<b>10C=</b> Type 10C				
<b>16C=</b> Type 16C				

**THT BCD ROTARY Switch**

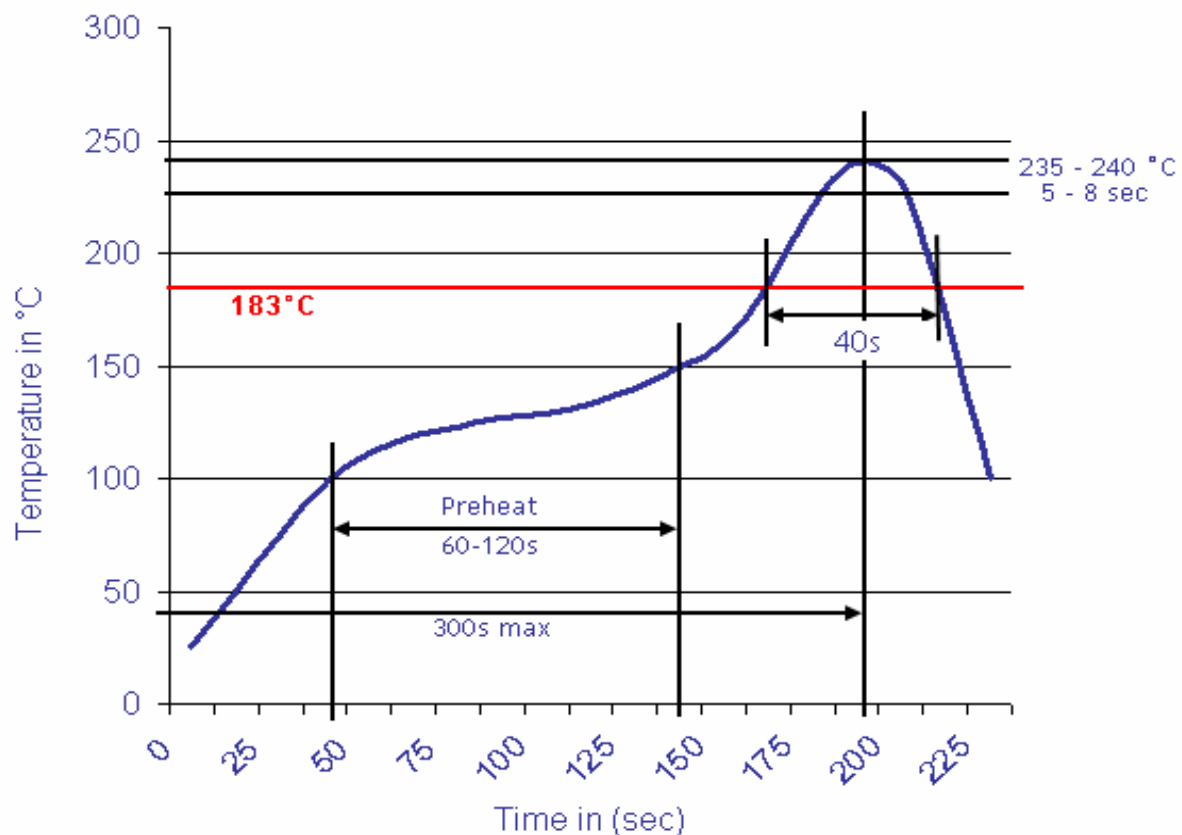
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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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