

# DATA SHEET

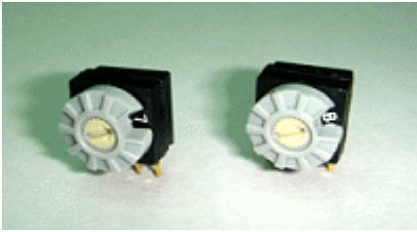
## THT BCD ROTARY Switch

**Serie: Q27018**

<b>THT BCD ROTARY Switch</b>	
Serie No.:	<b>Q27018</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	13.07.2022
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 6	

# EDCON-COMPONENTS



## Specifications

### Material

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

### Mechanical:

Switching Positions: 8, 10, 16 positions  
 Operating force: 350gr-cm max.  
 Life: 10.000detens

### Electrical:

Max. Load Rating:  
 Switching: 50mA, 24VDC  
 Non Switching: 100mA, 50VDC  
 Contact Resistance: 100mΩ max.  
 Insulation Resistance: 1000M Ω at 100VDC  
 Dielectric Strength: 250VAC for 1 minute

### Environmental:

Operating Temperature: . -10°C to +70°C  
 Soldering Temperature: max. 250 ± 5°C for 5 seconds

## Features

Fully Sealed construction  
 Low Profile , Low Cost  
 Gold Plated contacts  
 Molded-In terminals  
 Snap-In mounting on PCB

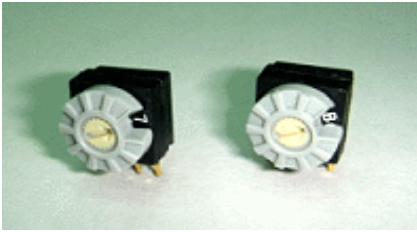
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Part No.: **Q27018**

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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					

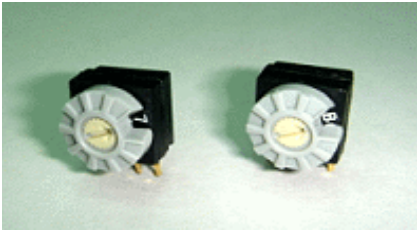
BCD Order Code = 10C					
Position	BCD Complement 10Pos.				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					

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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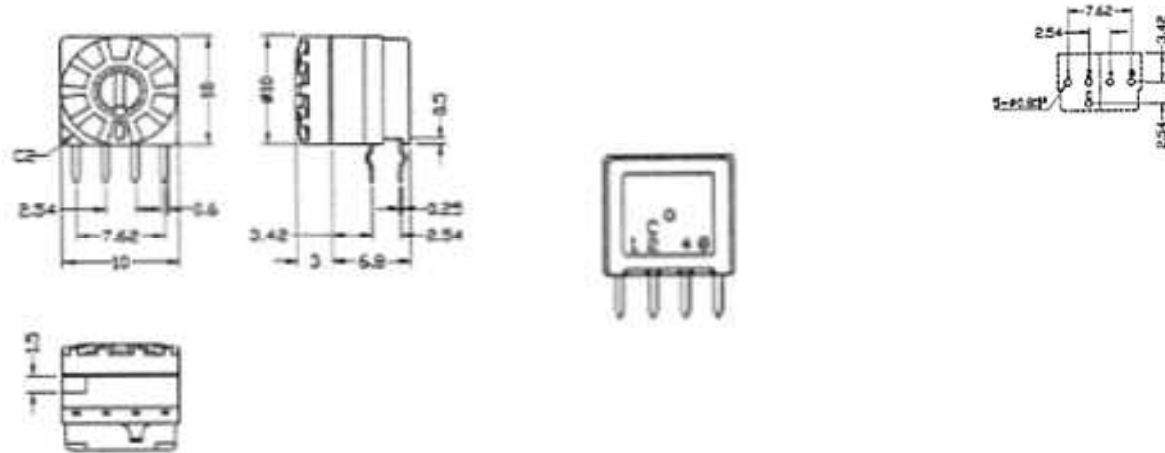
Switch Code



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 4 = (4+1)

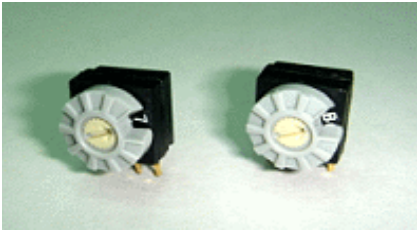
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[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

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## Ordering Informations

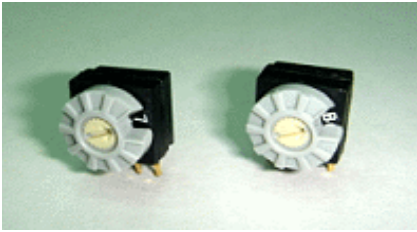
Serie	BCD Order Code	Rotor Style	Terminal Style	ROHS	Packing Code					
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<b>Q27018</b>	<b>10S</b>	<b>KN</b>	<b>4</b>	<b>R</b>	<b>TU</b>					
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<b>10S=</b> Type 10S	<b>Kn=</b> Knob Type	<b>4=</b> (4+1) 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				

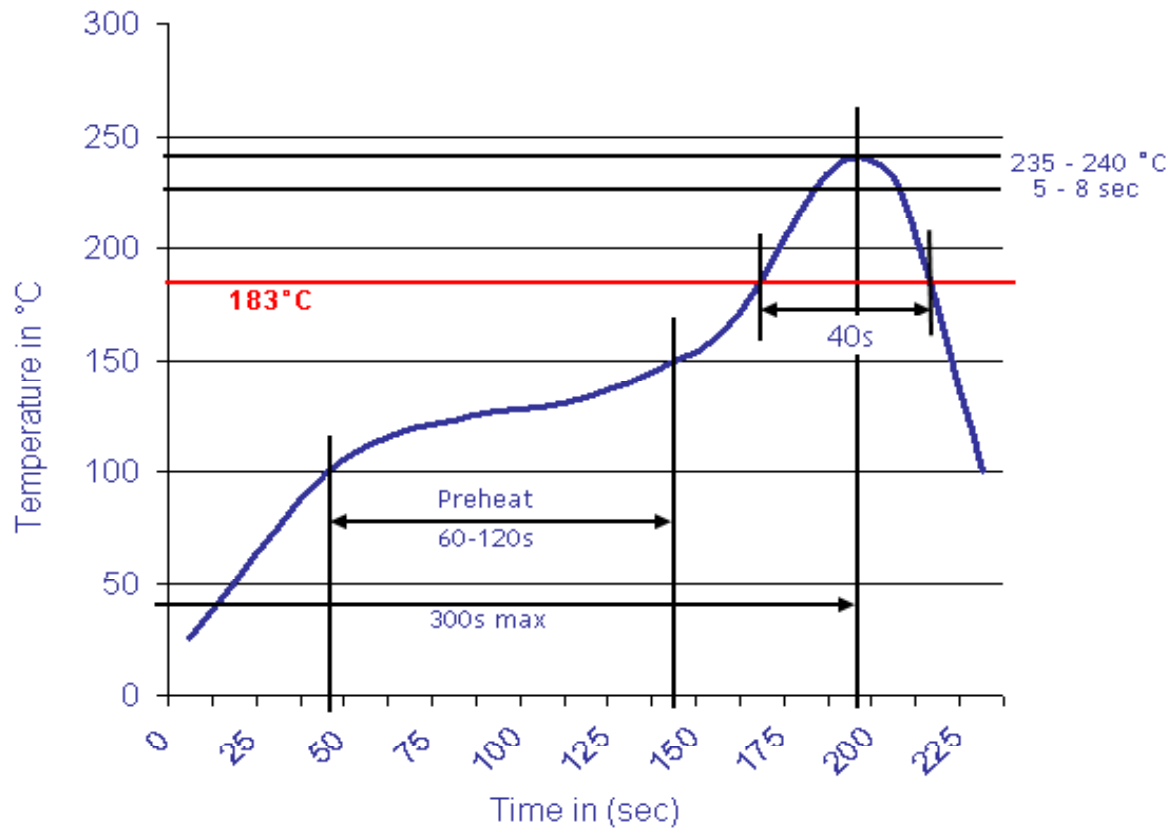
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Soldering Profile Curve

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



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