

DATA SHEET

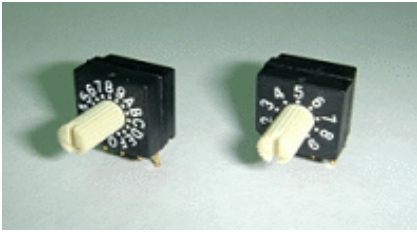
THT BCD ROTARY Switch

Serie: Q27016

THT BCD ROTARY Switch	
Serie No.:	Q27016
Customer:	

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

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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

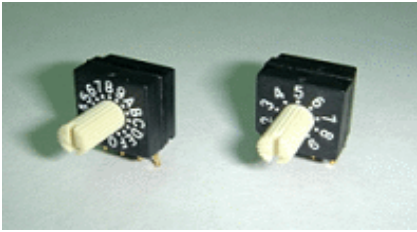
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Switch Code

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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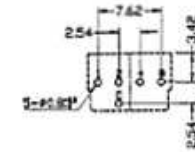
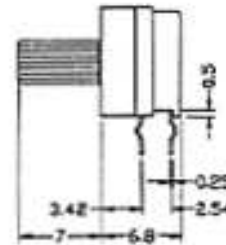
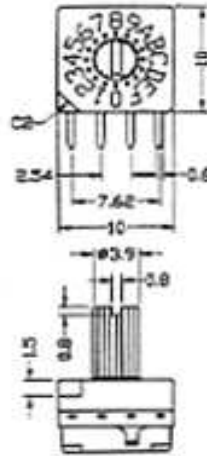


Switch Code

Technical Dimensions (mm)

PCB Layout (mm)

Position	BCD Order Code = 16C				
	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)

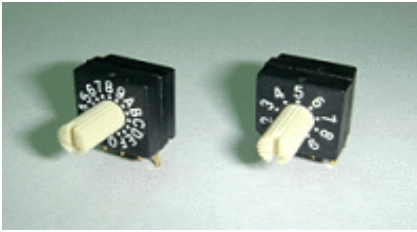
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Ordering Informations

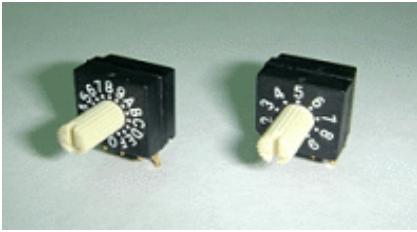
Serie	BCD Order Code	Rotor Style	Terminal Style	ROHS	Packing Code					
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Q27016	10S	07	4	R	TU					
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10S= Type 10S	07= 7mm Knob Type	4= (4+1) Legs	R= ROHS Conform	TU= Tube Packing
08S= Type 08S			N= NON ROHS Conform	TY= Tray Packing
16S= Type 16S			BU= Bulk Ware	
10C= Type 10C				
16C= Type 16C				

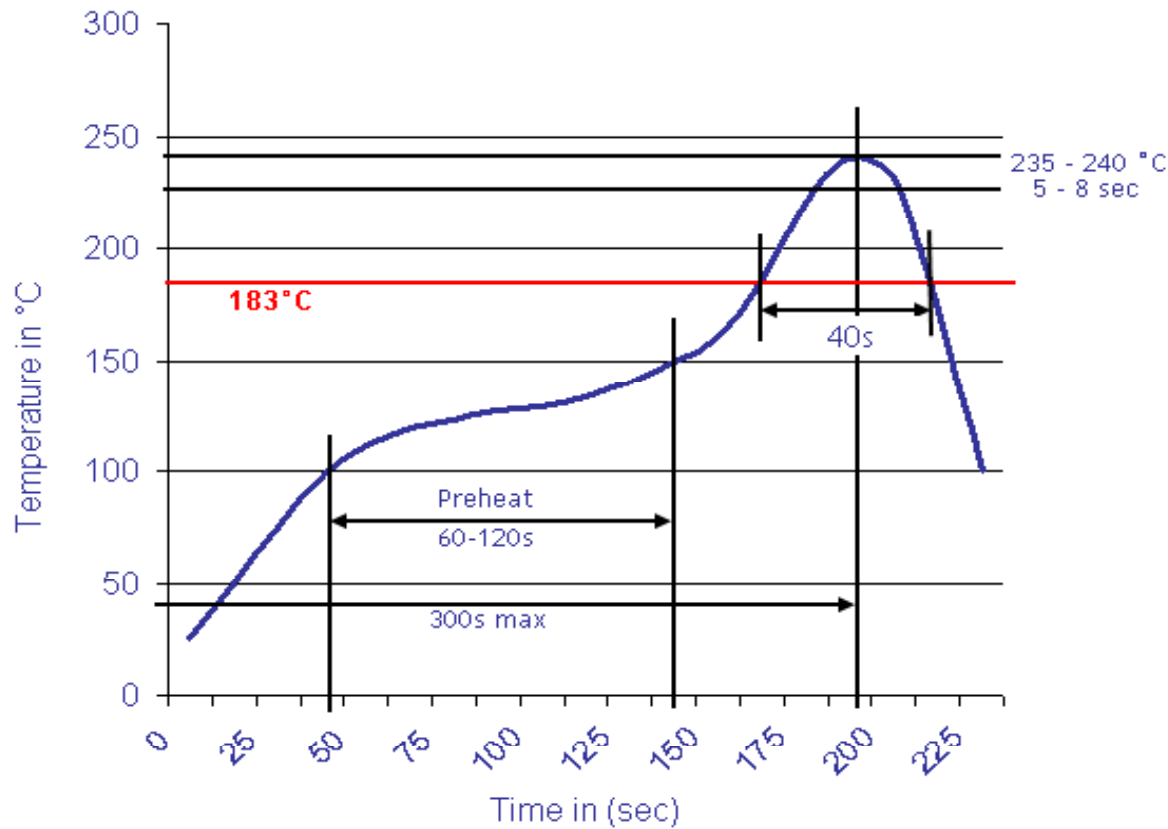
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Soldering Profile Curve

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



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