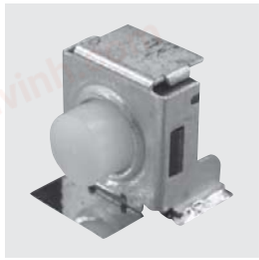
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CF-CA

Right Angle Tactile Switches

RoHS Compliant



Features

1. Right Angle Tactile Switch
2. Rich in Variation (Actuator Length, With/Without Support Terminal)
3. Silver-Plated / Gold-Plated Contacts
4. Resin Actuator

Specifications

Rating	Max.		1VA MAX（DC32V MAX50mA MAX）
	Min.	(Silver)	DC5V 1mA
		(Gold)	DC5V 10 μA
Initial contact resistance			100mΩ max.
Dielectric strength			AC250V（50～60Hz）1 minute
Initial Insulation resistance			100MΩ min.（DC100V）
Stroke			0.25mm
Operating force			3±1.5N {305±153g}
Electrical life			MAX Rating 100,000 cycles.
Operating temperature range			−40～+90℃
Storage temperature range			−40～+90℃

Part Numbering

CF-CA — 1 C B4 — P4 1 2 T

Series code | Number of poles | Switching function | Terminal style | Actuator shape | Support terminal | Contact material | Packaging spec

Fig.	Number of poles
1	1 pole

Code	Switching function
C	OFF−(ON)

Code	Terminal style
B4	Gull wing R/A

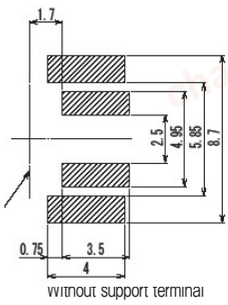
Code	Actuator shape
P1	1.1mm Resin button
P2	2.4mm Resin button
P4	4.0mm Resin button

Fig.	Support terminal
0	Without
1	With

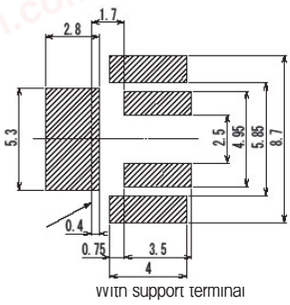
Fig.	Contact material
1	Silver plated
2	Gold plated

Code	Packaging spec
T	Taping
Blank	Plastic bags

PC Hole Layouts



Without support terminal

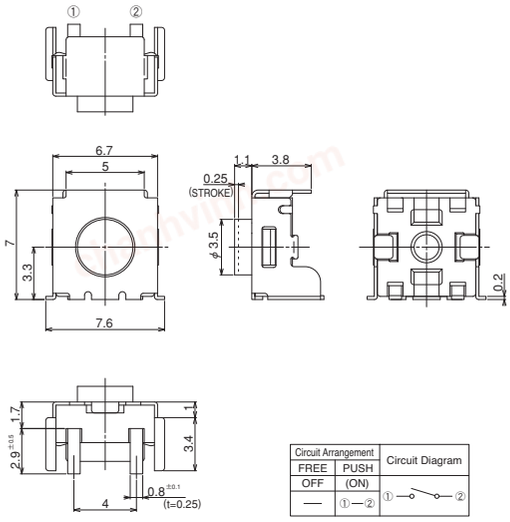


With support terminal

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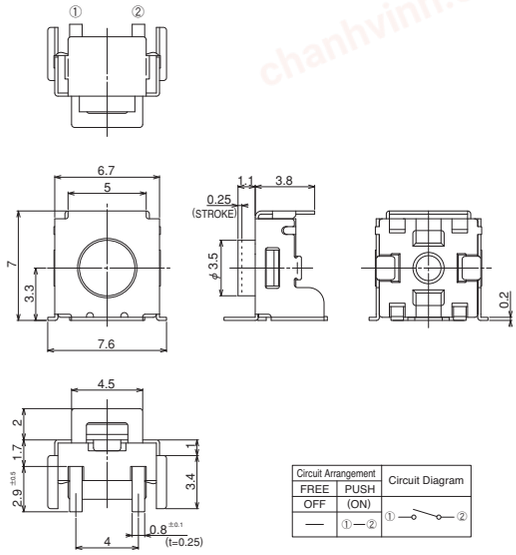
■Outline dimensions

●1.1 mm (Without Support Terminal)



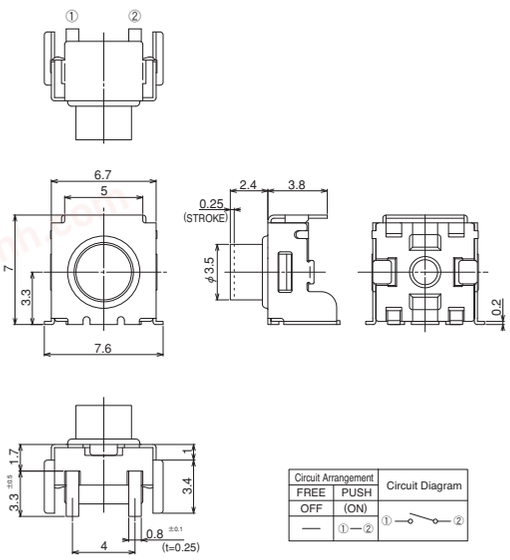
Circuit Arrangement		Circuit Diagram
FREE	PUSH	
OFF	(ON)	
—	①—②	① —o— o— ②

●1.1 mm (With Support Terminal)



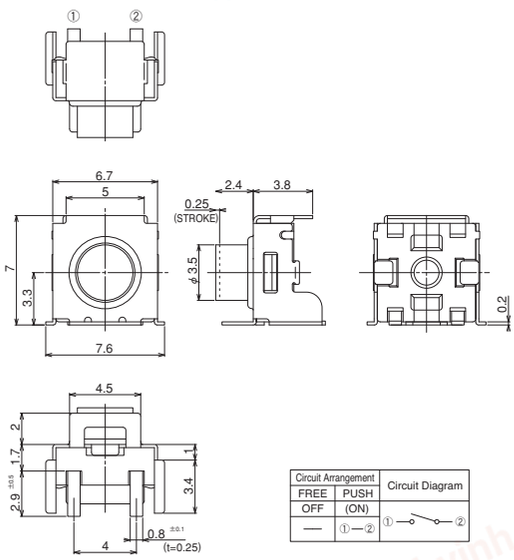
Circuit Arrangement		Circuit Diagram
FREE	PUSH	
OFF	(ON)	
—	①—②	① —o— o— ②

●2.4mm (Without Support Terminal)



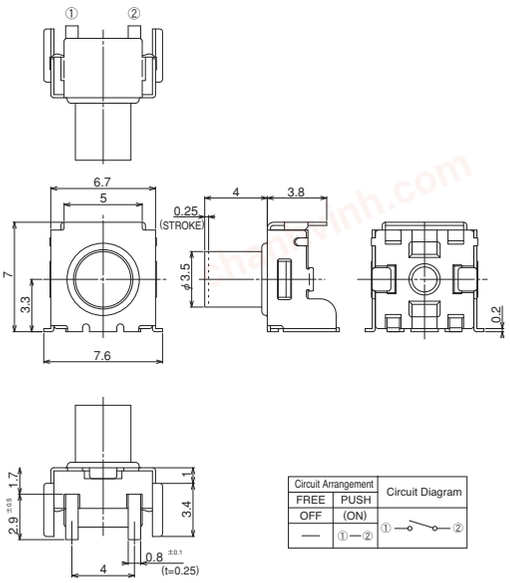
Circuit Arrangement		Circuit Diagram
FREE	PUSH	
OFF	(ON)	
—	①—②	① —o— o— ②

●2.4mm (With Support Terminal)



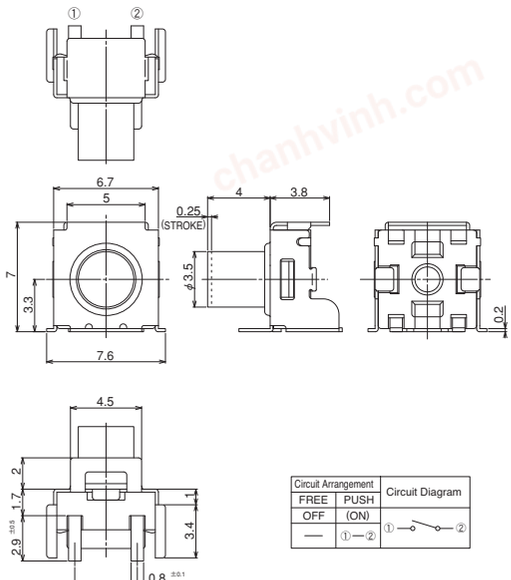
Circuit Arrangement		Circuit Diagram
FREE	PUSH	
OFF	(ON)	
—	①—②	① —o— o— ②

●4.0mm (Without Support Terminal)



Circuit Arrangement		Circuit Diagram
FREE	PUSH	
OFF	(ON)	
—	①—②	① —o— o— ②

●4.0mm (With Support Terminal)



Circuit Arrangement		Circuit Diagram
FREE	PUSH	
OFF	(ON)	
—	①—②	① —o— o— ②

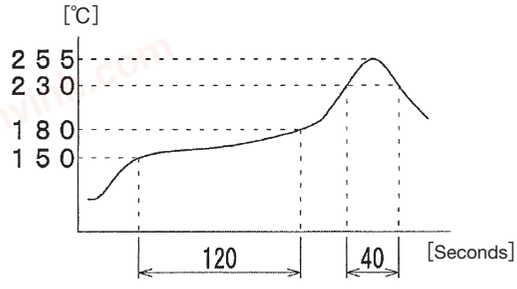
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List of part numbers

Number of poles	Switching function	Contact material	Form of Packaging	Actuator shape		Terminal style		Pieces in package
				Material	Hight	R/A Without support terminal	R/A With support terminal	
1 pole	OFF−(ON)	Silver plated	Taping	Resin	1.1mm	**CF-CA-1CB4-P101T**	**CF-CA-1CB4-P111T**	500pcs./reel
					2.4mm	**CF-CA-1CB4-P201T**	**CF-CA-1CB4-P211T**	500pcs./reel
					4.0mm	**CF-CA-1CB4-P401T**	**CF-CA-1CB4-P411T**	500pcs./reel
			Plastic bags		1.1mm	**CF-CA-1CB4-P101**	**CF-CA-1CB4-P111**	20pcs./pack
					2.4mm	**CF-CA-1CB4-P201**	**CF-CA-1CB4-P211**	20pcs./pack
					4.0mm	**CF-CA-1CB4-P401**	**CF-CA-1CB4-P411**	20pcs./pack
		Gold plated	Taping		1.1mm	**CF-CA-1CB4-P102T**	**CF-CA-1CB4-P112T**	500pcs./reel
					2.4mm	**CF-CA-1CB4-P202T**	**CF-CA-1CB4-P212T**	500pcs./reel
					4.0mm	**CF-CA-1CB4-P402T**	**CF-CA-1CB4-P412T**	500pcs./reel
			Plastic bags		1.1mm	**CF-CA-1CB4-P102**	**CF-CA-1CB4-P112**	20pcs./pack
					2.4mm	**CF-CA-1CB4-P202**	**CF-CA-1CB4-P212**	20pcs./pack
					4.0mm	**CF-CA-1CB4-P402**	**CF-CA-1CB4-P412**	20pcs./pack

Soldering Specifications

(1) Reflow Soldering



Apply reflow soldering up to 2 times max.

(2) Manual Soldering
Device : Soldering iron
350°C ±10°C, Max.; 3 seconds, Max.

Flux Cleaning

(1) Solvent : Fluorine or Alcohol type
(2) General cleaning is possible with these products, but pay attention to the following points:
- Cleaning after soldering should be done after the PC board has cooled down to room temperature (30°C or below).
- Some cleaning solvents may affect the material or the appearance of the switch. Test the cleaning solution with a sample before using in mass-production.

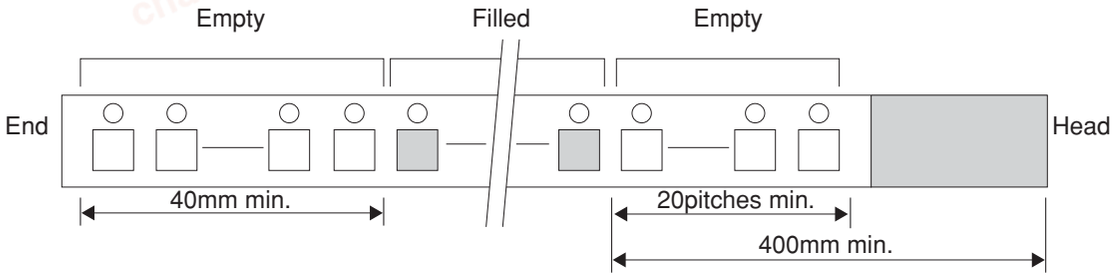
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■Packaging Specification

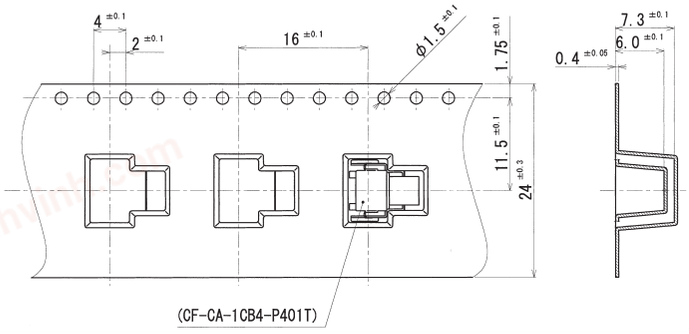
(1) Taping

Packaging quantity is 500 pcs. per reel. Each reel is packed in a box.
The maximum number of consecutive missing pieces shall be two. The following illustration shows the leader length, empty portion and the product indication method.

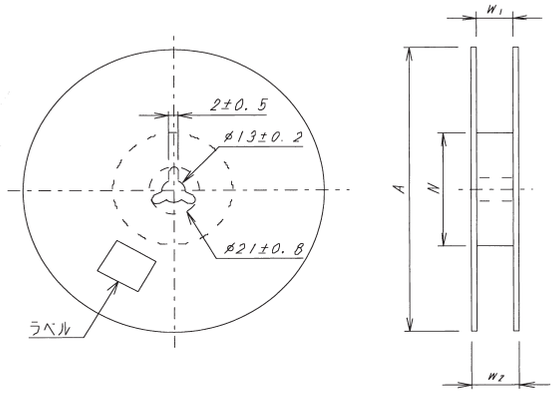
Fig.1 Embossed tape dimensions



〈Tape dimensions〉



〈Reel dimensions〉



(2) Bulk

Packaging quantity is 20pcs per bag.
Please order in increments of 20pcs.

Unit (mm)

A	W_1	W_1	N
φ330±2	25.4±1	29.4±1	φ80±1