

D6

SPST Momentary Key Switches



Features/Benefits

- Easy X, Y coding on single side PCB
- Positive tactile feedback
- High temperature type available
- Wide variety of colors & styles
- RoHS compliant and compatible

Typical Applications

- Automotive
- Video
- Electronic games
- Appliances

Construction

FUNCTION: momentary
CONTACT ARRANGEMENT: 1 make contact (SPST), NO
DISTANCE BETWEEN BUTTON CENTERS, MIN.: 12,7 (0.500)
TERMINALS: PC pins

Electrical

SWITCHING POWER MAX.: 6 VA
SWITCHING VOLTAGE MAX.: 32 V DC
SWITCHING CURRENT MAX.: 100 mA DC
DIELECTRIC STRENGTH (50 Hz / 1 min): 1000 V
OPERATING LIFE with max. switching power: $\geq 2.5 \times 10^5$ operations
CONTACT RESISTANCE: $\leq 100 \text{ m}\Omega$
INSULATION RESISTANCE: $\geq 10^{11} \Omega$
BOUNCE TIME: $\leq 3 \text{ ms}$

Mechanical

SWITCHING TRAVEL: $0,8 \pm 0,2$ (0.0301 $\pm$ 0.0078)
OPERATING FORCE: 1.3 N $\pm$ 30% (130 grams $\pm$ 30%)

Environmental

OPERATING TEMPERATURE: -20°C to 85°C.

Process

SOLDERABILITY:

Hand soldering: 350°C for 3 seconds
Wave or bath soldering: 225°C for 5 seconds
High Temperature version: 260°C for 5 seconds**
Cleaning: Use solvents compatible with ABS

How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

Switch

	D	6				L	F	S
Series								
D6C	Square							
D6R	Round							
D6F	Flat*							
D6L	Plunger*							
			Switch Color					
			00	White				
			10	Gray				
			30	Yellow				
			40	Red				
			50	Green				
			60	Blue				
			80	Ivory				
			90	Black				
			RoHS compliant and compatible.					

*Available in black only.
** Only available in red, blue and black

Button

Buttons can be ordered separately.
Shipped in bulk.

D6 button for use with D6C only.

	B	T	N	D	6		
Series							
BTND6	Button						
							Button Color
							00 White
							10 Gray
							30 Yellow
							40 Red
							50 Green
							60 Blue
							80 Ivory
							90 Black



Dimensions are shown: mm (inch)
Specifications and dimensions subject to change

www.ittcannon.com

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D6C



D6R



D6F ONLY AVAILABLE IN BLACK



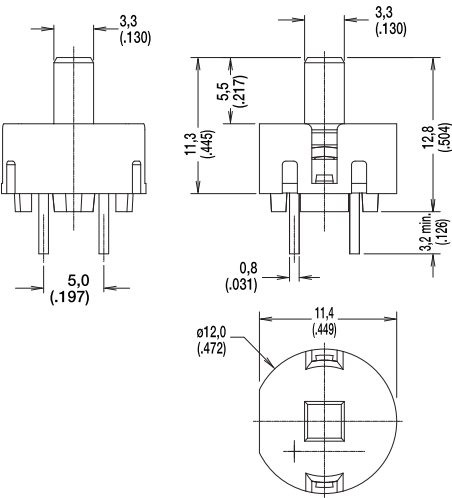
Dimensions are shown: mm (inch)
Specifications and dimensions subject to change

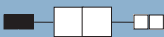
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SERIES 

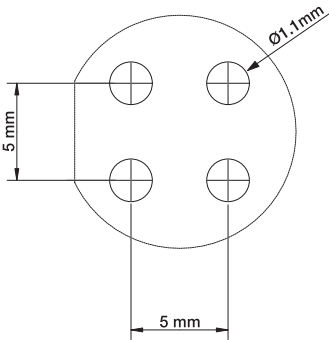
D6L ONLY AVAILABLE IN BLACK



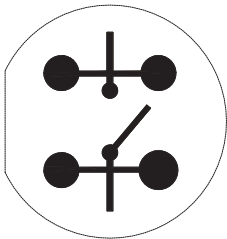
SWITCH COLORS 

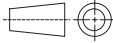
OPTION CODE	SWITCH COLOR
00	WHITE
10	GRAY
30	YELLOW
40	RED
50	GREEN
60	BLUE
80	IVORY
90	BLACK

PCB Layout



Electrical Diagram




 First Angle Projection
 Dimensions are shown: mm (inch)
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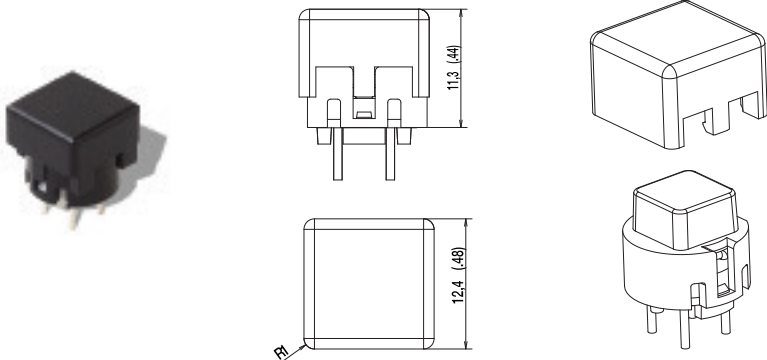
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BUTTON AVAILABLE

BTND6 Buttons must be ordered separately. Shipped in bulk.

NOTE: Only compatible with D6C.



OPTION CODE	BUTTON COLOR
00	WHITE
10	GRAY
30	YELLOW
40	RED
50	GREEN
60	BLUE
80	IVORY
90	BLACK



Key Switches



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