

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: (10⁵ operations)
CONTACT RESISTANCE: ≤100 mΩ
INSULATION RESISTANCE: ≥10¹¹ Ω
BOUNCE TIME: ≤ 3 ms

Mechanical

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

Environmental

OPERATING TEMPERATURE: -20°C to 85°C.

Process

SOLDERABILITY:

Hand soldering: 350°C for 3 seconds
Wave or bath soldering: 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					RoHS compliant and compatible.		
	D6R Round							
	D6F Flat*							
	D6L Plunger*							
Switch Color								
	00 White							
	10 Gray							
	30 Yellow							
	40 Red							
	50 Green							
	60 Blue							
	80 Ivory							
	90 Black							

*Available in black only.

Button

Buttons can be ordered separately.
Shipped in bulk.

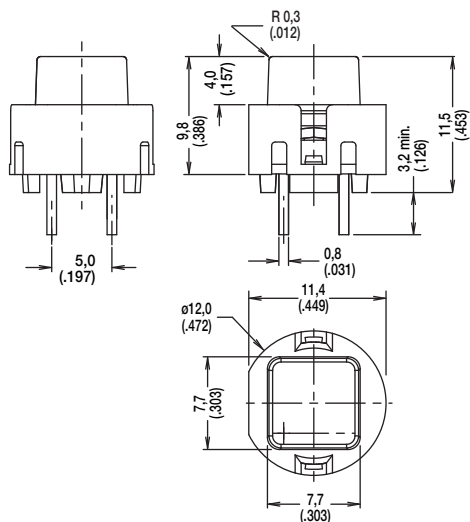
D6 button for use with D6C only.

	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						

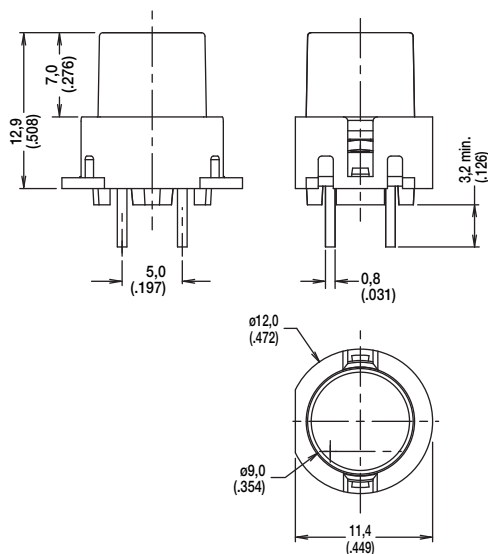
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SERIES 

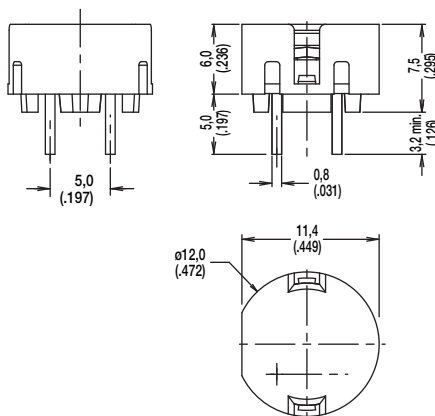
D6C



D6R



D6F ONLY AVAILABLE IN BLACK



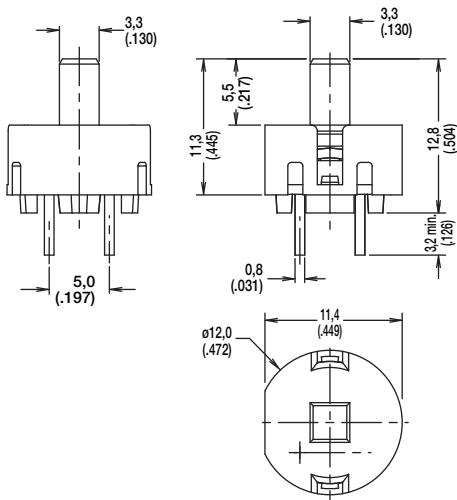
Dimensions are shown: mm (inch)
Specifications and dimensions subject to change

www.ittcannon.com

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SERIES 

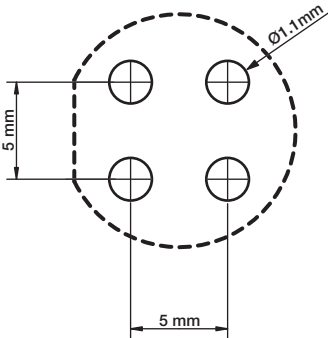
D6L ONLY AVAILABLE IN BLACK



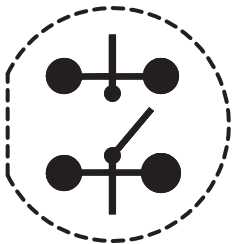
SWITCH COLORS 

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

PCB Layout



Electrical Diagram

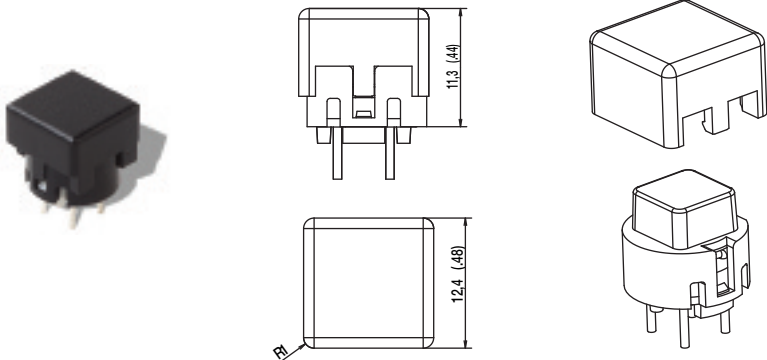


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BUTTON AVAILABLE

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