

D6 Series

SMT Momentary Key Switches



Specifications

Function	Momentary
Contact Arrangement	SPST - NO
Distance Between Buttons Centers	Min.: 12.7 (0.500)
Terminals	PC pins

Environmental/Mechanical Characteristics

Mechanical	Non-Illuminated	Illuminated
Switching Travel	Version F1: 0.2 mm $\leq T_e \leq 1.0$ mm Version F2: 0.3 mm $\leq T_e \leq 1.1$ mm	0.4 mm $\leq T_e \leq 0.8$ mm
Operating Force	Version F1: 0.8N $\leq F_a \leq 1.8$ N Version F2: 2.0N $\leq F_a \leq 3.5$ N	Version F1: 0.8N $\leq F_a \leq 1.8$ N Version F2: 1.5N $\leq F_a \leq 2.5$ N
Sealing	IP40	
Operating Temperature	-20°C to 85°C	-20°C to 60°C
Solderability	Wave soldering, compatible with lead free soldering profile. Hand soldering, 350°C for 3 seconds	
Packaging	The D6 switches are delivered in boxes containing 10 trays with 250 pieces each: Total 2,500 pieces per box. The D6 buttons are delivered in bulk with 2500 pieces per box.	

Description

The D6 SPST Momentary keyswitch by C&K is often used in appliances, electronic games, video applications and industrial controls, due to its ability to withstand high temperatures. The D6 is built to enable easy X, Y coding on a single side PCB, is RoHS compliant and can be ordered in a variety of colors and styles, making it easy to match this switch to your product design.

Features & Benefits

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

Applications

- Video
- Electronic games
- Appliances

Electrical Characteristics

Electrical	Non-Illuminated	Illuminated
Switching Power Max.	3 VA	0.35 VA
Switching Voltage Max.	32 V DC	35 V DC
Switching Current Max.	100 mA DC	10 mA DC
Operating Life with max. switching power	Version F1: 250,000 operations Version F2: 100,000 operations	Version F1: 100,000 operations Version F2: 30,000 operations
Contact Resistance	≤ 100 m Ω	≤ 200 m Ω
Dielectric Strength (50 Hz / 1 min)	250 V	
Insulation Resistance	$\geq 10^8 \Omega$	
Bounce Time	≤ 10 ms	

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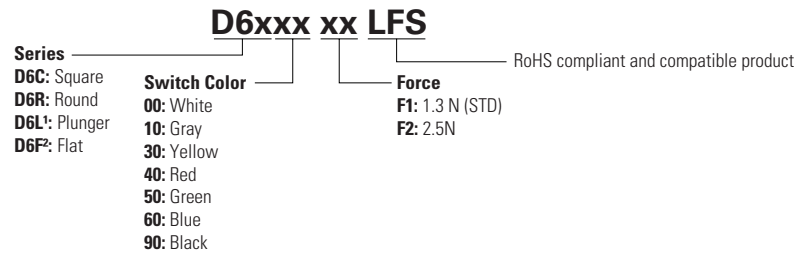


Ordering Number

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.

Non-Illuminated

Switch

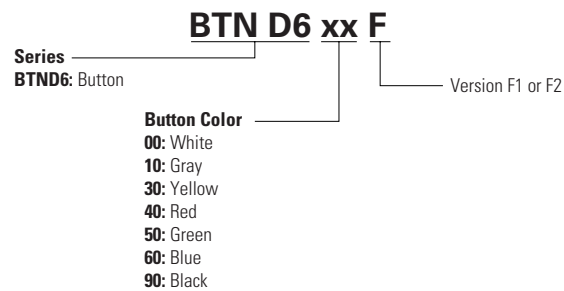


Notes

1. Available only in color 90 (black)
2. Available only in color 90 (black) or 00 (white)

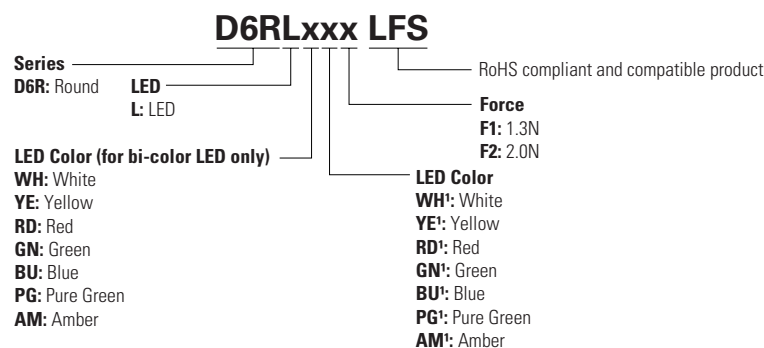
Button

Buttons can be ordered separately
 Shipped in bulk. D6 button for use
 with D6C only



Illuminated

Switch



Notes

1. Please contact technical support for these configuration

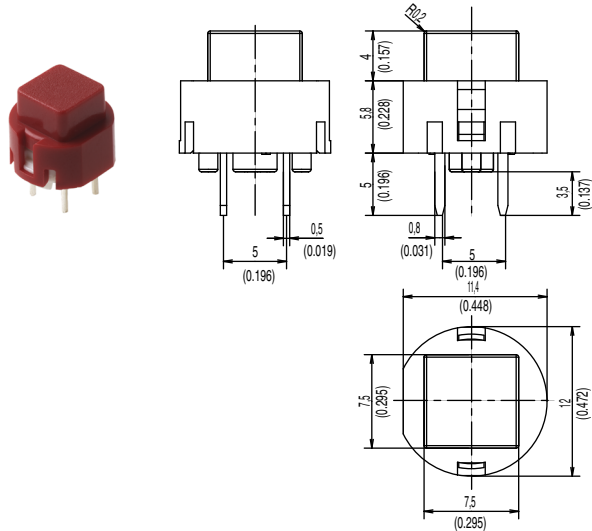
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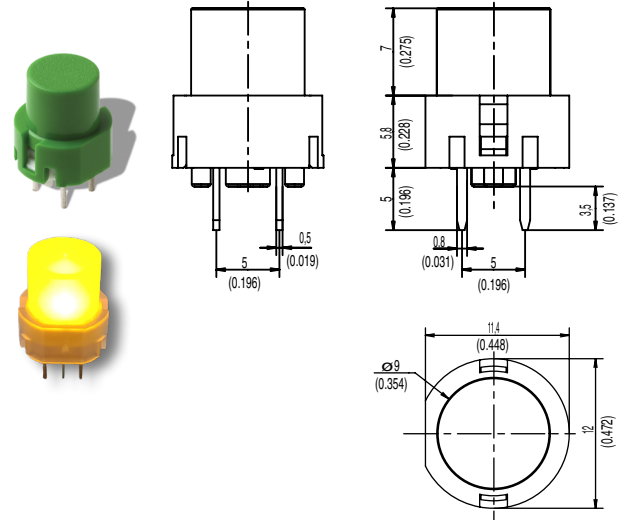


Series

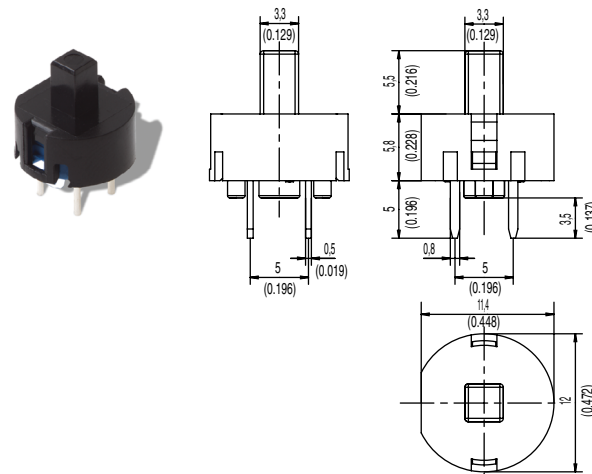
D6C



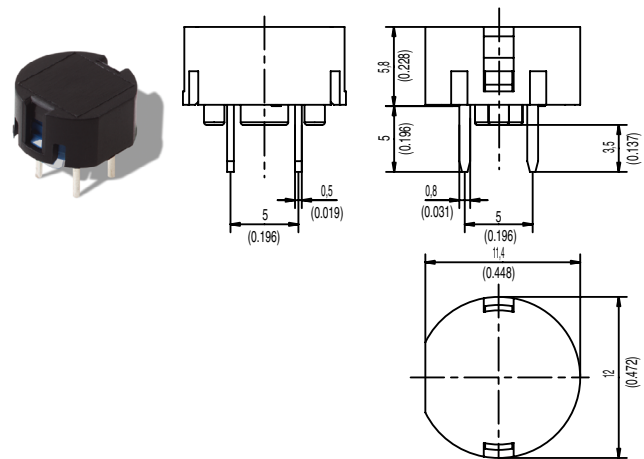
D6R



D6L (Only available in Black)



D6F (Only available in Black or White)



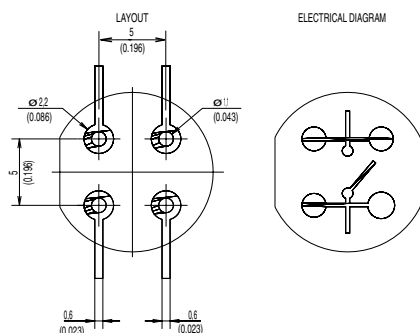
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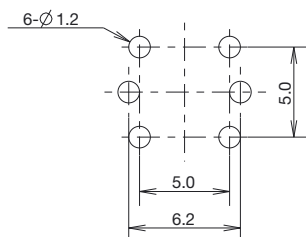


PCB Layout

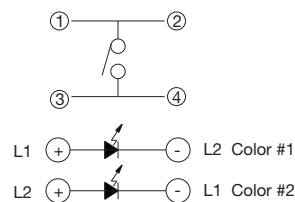
Switch (Non-Illuminated)



Switch (Illuminated)



P.C.B LAYOUT

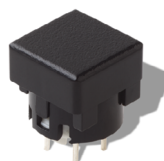
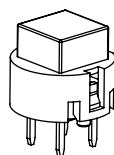
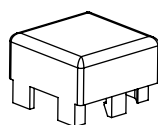
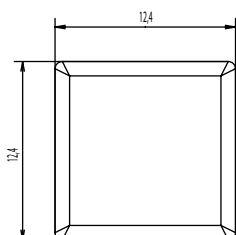
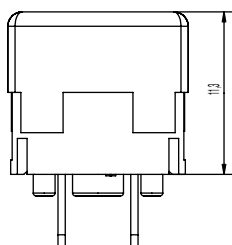


ELECTRICAL SCHEMATIC

Button Available

BTND6 Buttons must be order 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
90	Black

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