

# D6

## SPST Momentary Key Switches



### Features/Benefits

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

### Typical Applications

- 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.: 3 VA  
SWITCHING VOLTAGE MAX.: 32 V DC  
SWITCHING CURRENT MAX.: 100 mA DC  
DIELECTRIC STRENGTH (50 Hz / 1 min): 250 V  
OPERATING LIFE with max. switching power: (2,5x10<sup>5</sup> operations)  
CONTACT RESISTANCE: ≤100 mΩ  
INSULATION RESISTANCE: ≥10<sup>8</sup> Ω  
BOUNCE TIME: ≤10 ms

### Mechanical

SWITCHING TRAVEL:  
Version F1: 0.2mm ≤ Te ≤ 1.0 mm  
Version F2: 0.3mm ≤ Te ≤ 1.1 mm  
OPERATING FORCE:  
Version F1: 0.8N ≤ Fa ≤ 1.8N  
Version F2: 2.0N ≤ Fa ≤ 3.5N

### Environmental

OPERATING TEMPERATURE: -20°C to 85°C.

### Process

SOLDERABILITY:  
Wave soldering, compatible with lead free soldering profile  
Hand soldering, 350°C for 3 seconds

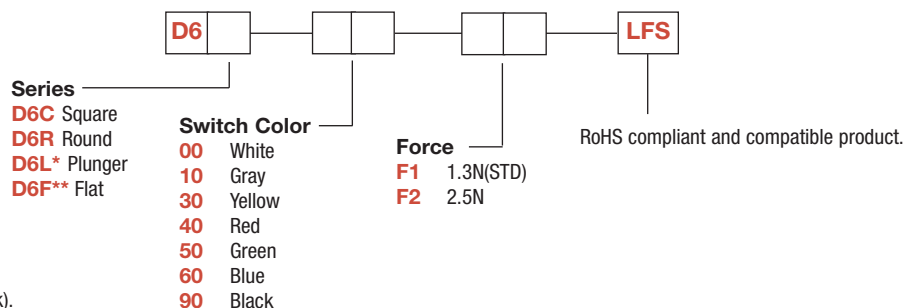
### Packaging

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.

### 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



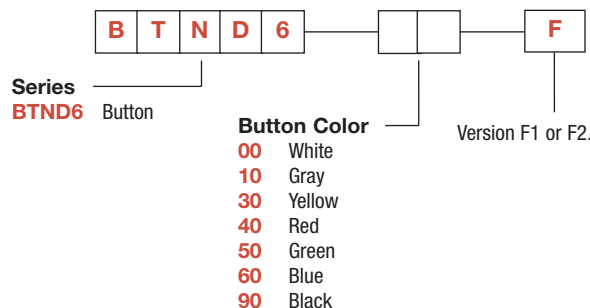
\*Available only in color 90 (black).

\*\* Available only in color 90 (black) and 00 (white).

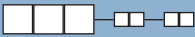
### Button

Buttons can be ordered separately.  
Shipped in bulk.

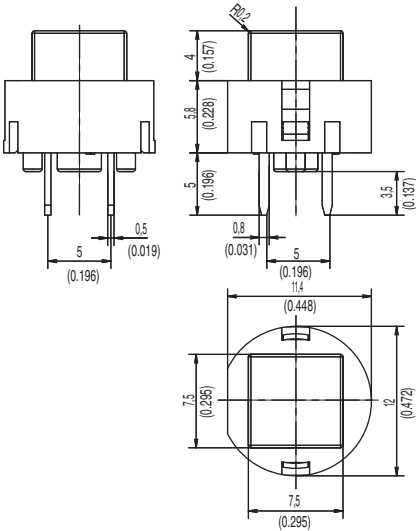
D6 button for use with D6C only.



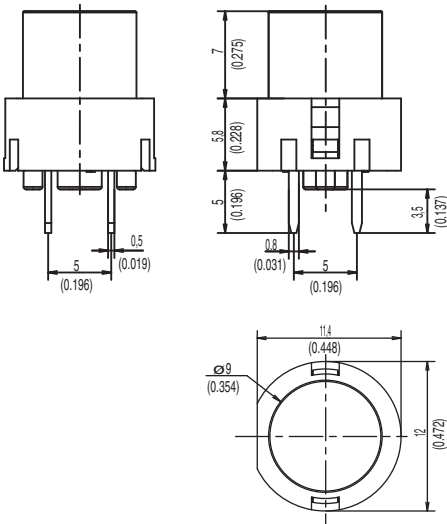
D6  
SPST Momentary Key Switches

SERIES 

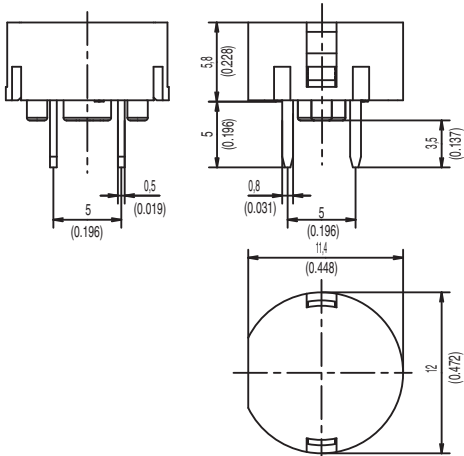
D6C



D6R



D6F



First Angle  
Projection

Dimensions are shown: mm  
Specifications and dimensions subject to change

**C&K**



D

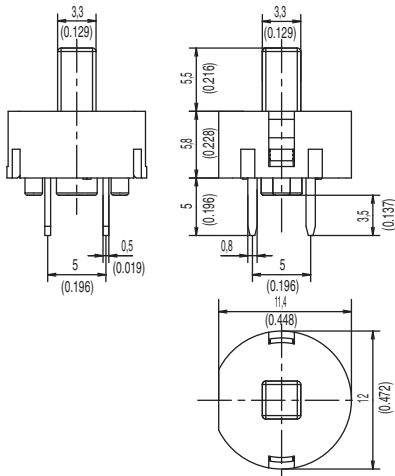
Key Switches

D6

SPST Momentary Key Switches

SERIES

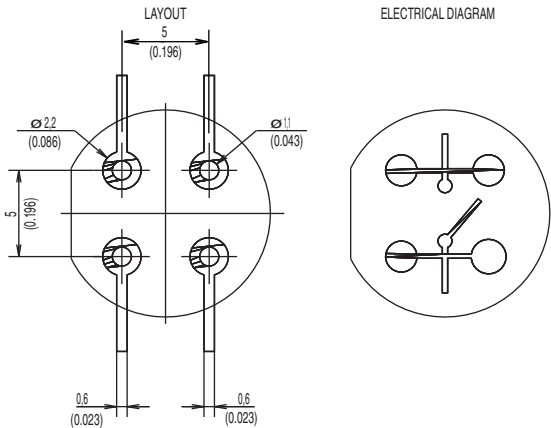
D6L ONLY AVAILABLE IN BLACK



SWITCH COLORS

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

PCB LAYOUT



First Angle  
Projection

Dimensions are shown: mm  
Specifications and dimensions subject to change



D

Key Switches

# D6

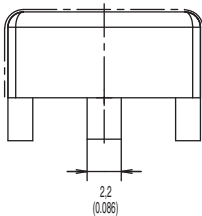
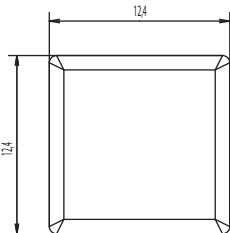
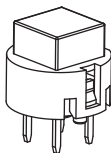
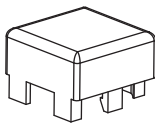
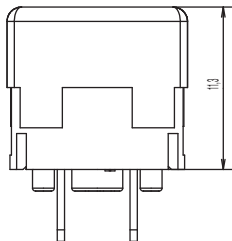
## SPST Momentary Key Switches



### 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         |
| 90          | BLACK        |



Key Switches



Dimensions are shown: mm  
Specifications and dimensions subject to change

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## C&K Components:

[D6R90 F1 LFS](#) [BTN D6 00 F](#) [D6R10 F1 LFS](#) [D6R00 F1 LFS](#) [D6C90 F1 LFS](#) [D6F90 F1 LFS](#) [D6L90 F1 LFS](#)  
[D6R90 F2 LFS](#) [D6R40 F1 LFS](#) [D6C00 F1 LFS](#) [D6R10 F2 LFS](#) [D6C40 F1 LFS](#) [D6C10 F1 LFS](#) [D6R30 F1 LFS](#)  
[D6L90 F2 LFS](#) [D6R60 F1 LFS](#) [D6C90 F2 LFS](#) [D6R50 F1 LFS](#) [D6C50 F1 LFS](#) [D6C60 F1 LFS](#) [D6C30 F1 LFS](#)  
[D6R30 F2 LFS](#) [D6C50 F2 LFS](#) [D6C30 F2 LFS](#) [D6F90 F2 LFS](#) [D6C10 F2 LFS](#) [D6C40 F2 LFS](#) [D6C60 F2 LFS](#)  
[D6R40 F2 LFS](#) [D6R50 F2 LFS](#) [D6R00 F2 LFS](#) [D6R60 F2 LFS](#) [D6C00 F2 LFS](#) [D6F00 F1 LFS](#) [D6F00 F2 LFS](#)  
[D6C60](#) [D6C40](#) [D6C00](#) [D6C80](#) [D6C90](#) [D6C10](#) [D6C50](#) [D6C30](#) [D6R60](#) [D6R80](#) [D6R00](#) [D6R40](#) [D6R50](#) [D6R90](#)  
[D6R10](#) [D6R30](#) [BTND610F](#) [BTND640F](#) [BTND660F](#) [BTND690F](#)