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: (2,5x10^5 operations)
CONTACT RESISTANCE: ≤100 mΩ
INSULATION RESISTANCE: ≥10^8 Ω
BOUNCE TIME: ≤10 ms

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.

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

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

D6 [ ] [ ] [ ] [ ] LFS

Series
D6C Square
D6R Round
D6L* Plunger
D6F** Flat

Switch Color
00 White
10 Gray
30 Yellow
40 Red
50 Green
60 Blue
90 Black

Force
F1 1.3N(STD)
F2 2.5N

RoHS compliant and compatible product.

*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.

B T N D 6 [ ] [ ] F

Series
BTND6 Button

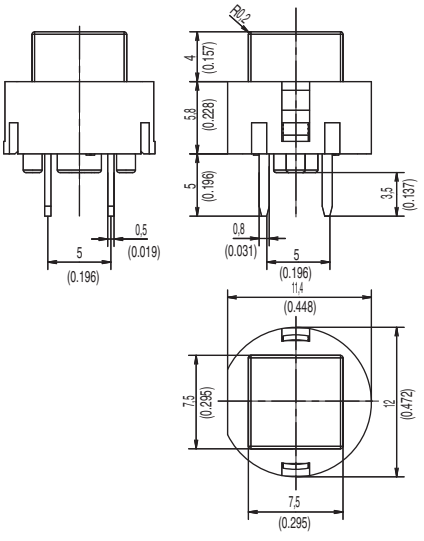
Button Color
00 White
10 Gray
30 Yellow
40 Red
50 Green
60 Blue
90 Black

Version F1 or F2.

D6
SPST Momentary Key Switches

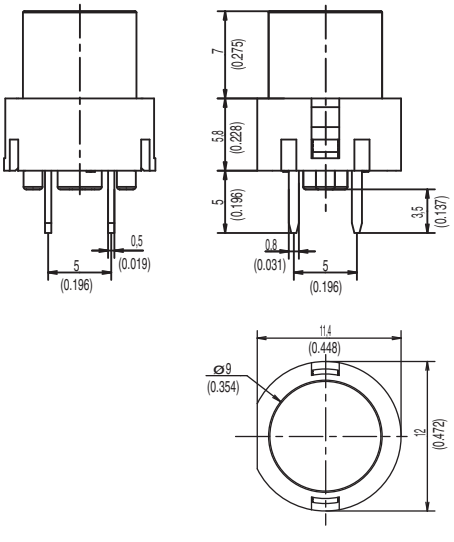
SERIES

D6C



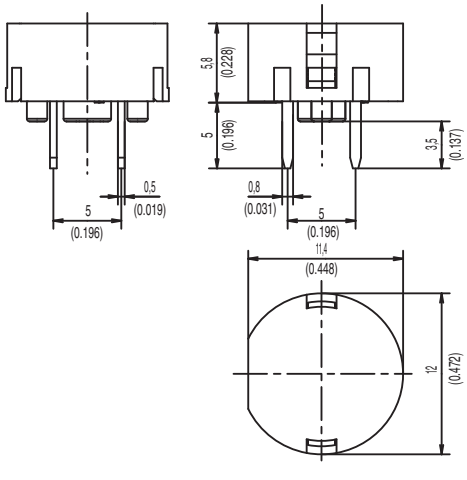


D6R





D6F





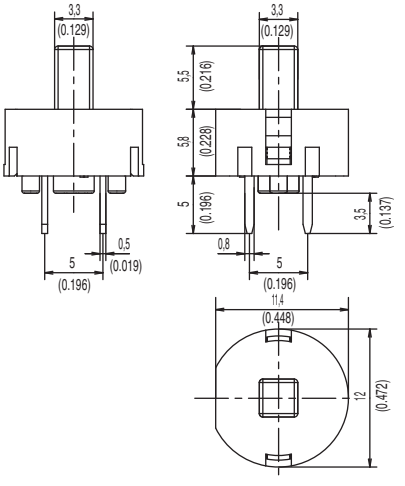
First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

SERIES

D6L ONLY AVAILABLE IN BLACK

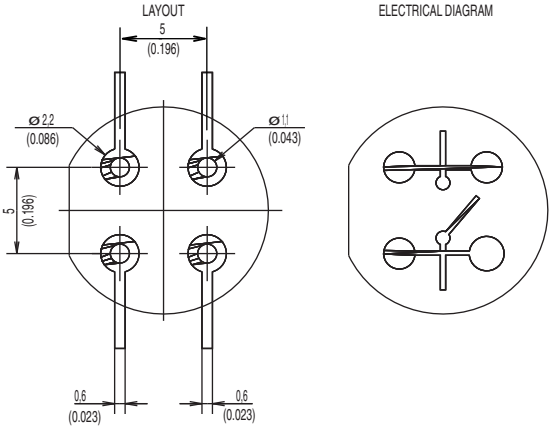




SWITCH COLORS

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

PCB LAYOUT



First Angle Projection

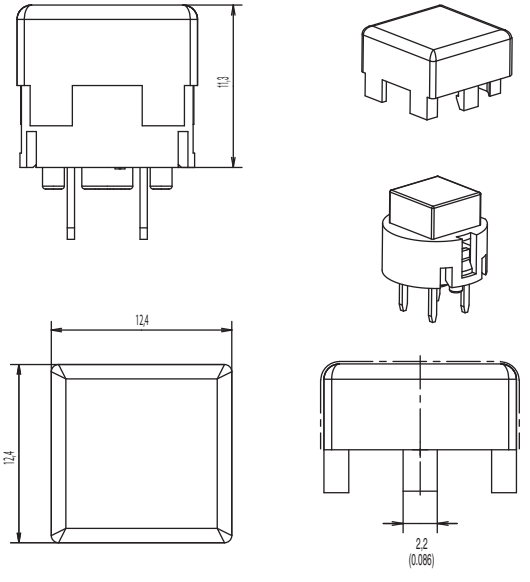
Dimensions are shown: mm
Specifications and dimensions subject to change

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

First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change