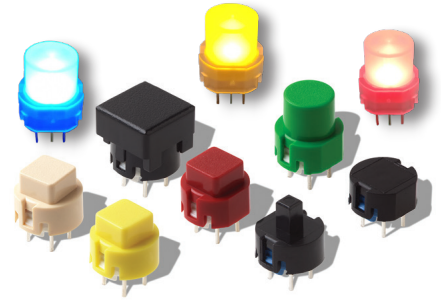


Features/Benefits

- 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

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

	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 mΩ	≤200 mΩ
DIELECTRIC STRENGTH (50 Hz / 1 min):	250 V	
INSULATION RESISTANCE:	≥10 ⁸ Ω	
BOUNCE TIME:	≤10 ms	

Mechanical

	Non-Illuminated	Illuminated
SWITCHING TRAVEL:	Version F1: 0.2 mm ≤ Te ≤ 1.0 mm Version F2: 0.3 mm ≤ Te ≤ 1.1 mm	0.4 mm ≤ Te ≤ 0.8 mm
OPERATING FORCE:	Version F1: 0.8N ≤ Fa ≤ 1.8N Version F2: 2.0N ≤ Fa ≤ 3.5N	Version F1: 0.8N ≤ Fa ≤ 1.8N Version F2: 1.5N ≤ Fa ≤ 2.5N
SEALING:	IP40	

Environmental

	Non-Illuminated	Illuminated
OPERATING TEMPERATURE:	-20°C to 85°C	-20°C to 60°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.

D6

SPST Momentary Key Switches

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.

NON-ILLUMINATED

Switch

D	6	R					L	F	S
Series			Switch Color			Force		RoHS compliant and compatible product	
D6C Square			00 White			F1 1.3N (STD)			
D6R Round			10 Gray			F2 2.5N			
D6L* Plunger			30 Yellow						
D6F** Flat			40 Red						
			50 Green						
			60 Blue						
			90 Black						

*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					Button Color		Version F1 or F2
BTND6 Button					00 White		
					10 Gray		
					30 Yellow		
					40 Red		
					50 Green		
					60 Blue		
					90 Black		

ILLUMINATED

Switch

D	6	R						L	F	S
Series			LED			LED Color 1			LED Color 2	
D6R Round			L LED			WH White			WH White	
						YE Yellow			YE Yellow	
						RD Red			RD Red	
						GN Green			GN Green	
						BU Blue			BU Blue	
						PG Pure Green			PG Pure Green	
						AM Amber			AM Amber	
									Force	
									F1 1.3N	
									F2 2.0N	
									RoHS compliant and compatible product	



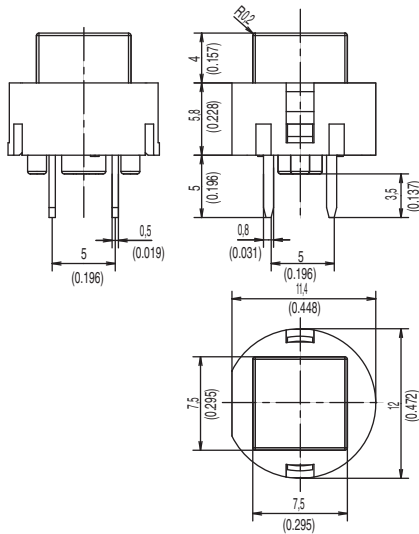
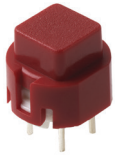
D

Key Switches

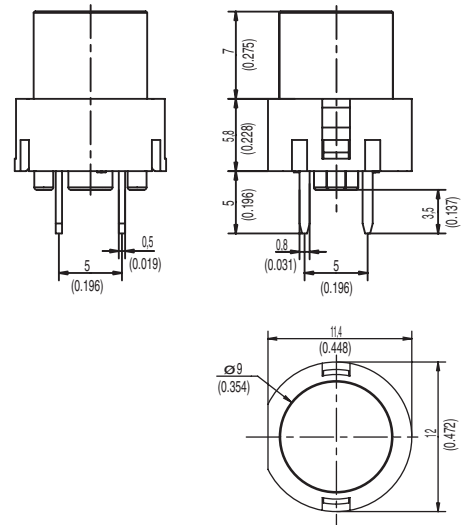
D6 SPST Momentary Key Switches

SERIES

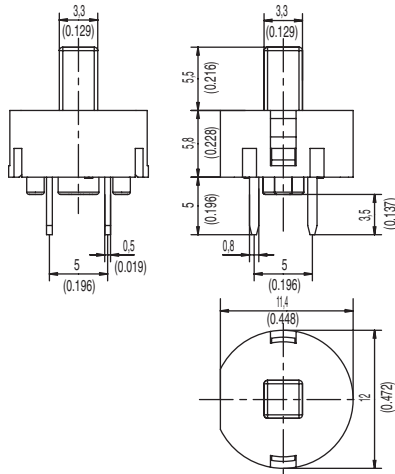
D6C



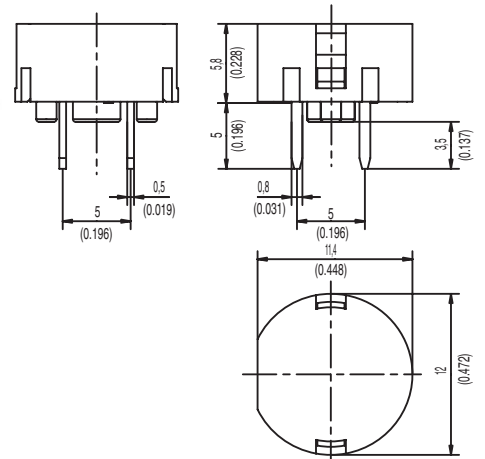
D6R



D6L ONLY AVAILABLE IN BLACK



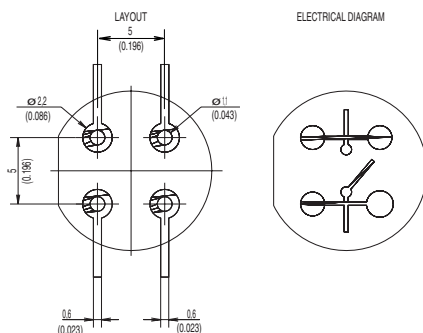
D6F



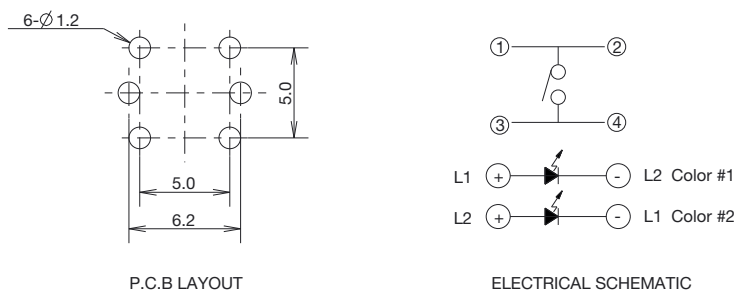
D6 SPST Momentary Key Switches

PCB LAYOUT

Switch (Non-Illuminated)



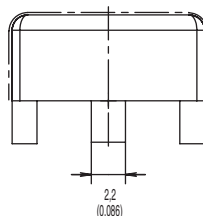
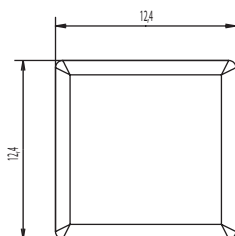
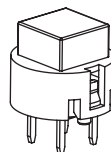
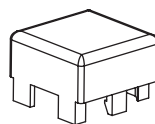
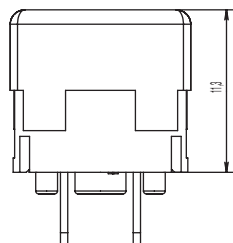
Switch (Illuminated)



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



Dimensions are shown: mm
Specifications and dimensions subject to change

Mouser Electronics

Authorized Distributor

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

C&K Switches:

[D60102](#) [D60108](#) [D60101](#) [D60103](#) [D60208](#) [D60202](#) [BTN D6 00 F](#) [D6R10 F1 LFS](#) [D6L90 F1 LFS](#) [D6R40 F1 LFS](#)
[D6C90 F2 LFS](#) [D60201](#) [D60203](#) [BTND610F](#) [BTND640F](#) [BTND660F](#) [BTND690F](#) [BTND600F](#)