

KLS Series

Illuminated SPDT/DPDT Pushbutton



Description

The KLS series expands our product offering in the LED pushbutton family. It meets the market requirements on haptic & sound with clear “click” feedback. With the various CAP options and bright LED color, the switches provide the status of its positioning (on/off) and clear indication of its functioning. KLS is available as SPDT and DPDT configuration and with higher rating for boader application needs.

Features & Benefits

- Positive tactile feedback
- Momentary or Lock version
- SPDT & DPDT configuration
- Gold or silver contact materials
- Choices of color on LED illumination
- 3 different CAP styles & sizes
- CAP with printed or etched logo

Specifications

Function	SPDT, DPDT
Contact Arrangement	N.C.
Mounting Type	Straight PCB terminals

Mechanical Specifications

Operating Life	1,000,000 cycles
Total Travel	2.2 mm
Operating Force	200 ± 100 gf (SPDT) 300 ± 150 gf (DPDT)

Electrical Specifications

Contact Rating	See table on contact material
Operating Life	200,000 cycles on both gold & silver plating
Dielectric Strength	1,000 V AC for 1 min.
Insulation Resistance	100 MΩ min. @ 500 VDC
Initial Contact Resistance	50 mΩ max. (silver contact) 100 mΩ max. (gold contact)

Applications

- Audio/video system
- Vending machine
- Kiosks
- Network equipment

Materials

Case	PA66+70G33L (Black)
Actuator	POM (White)
Cap	PC
Spring	Black wire / Stainless steel
Spring Plate	Phosphor bronze
Terminals / Contact	Brass / Copper with silver or gold plated
Terminal Seal	Epoxy

Environmental Characteristics

Operating Temperature	-40°C to 85°C
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Notes:

Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

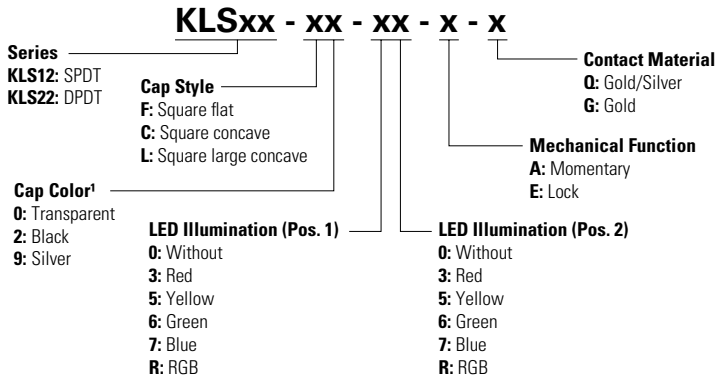
KLS Series

Illuminated SPDT/DPDT Pushbutton



Ordering Number

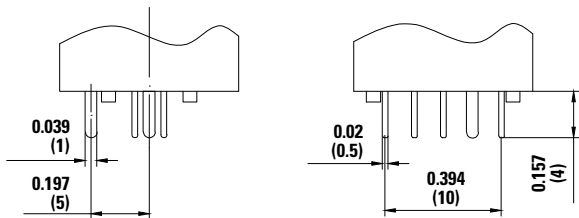
To order, simply select desired option from each category and place it in the appropriate box.



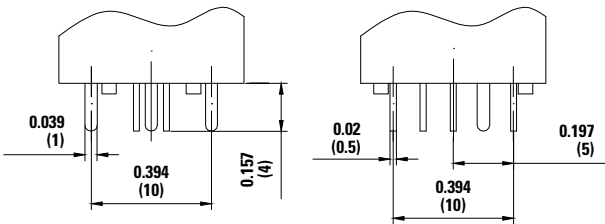
Notes:
1. For CAP with logo or symbol, please contact your sales representative.

Series

KLS12



KLS22

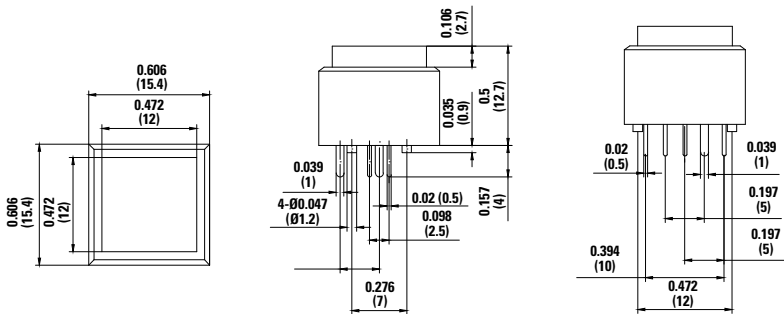


No. Poles	Model No.	Switch Function		Connected Terminals		Schematic
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	KLS12	ON	(ON)	1-3	1-2	
			ON			
DP	KLS22	ON	(ON)	1-3,4-6	1-2,4-5	
			ON			

Notes:
() = Momentary

Cap

F Square Flat inches (mm)

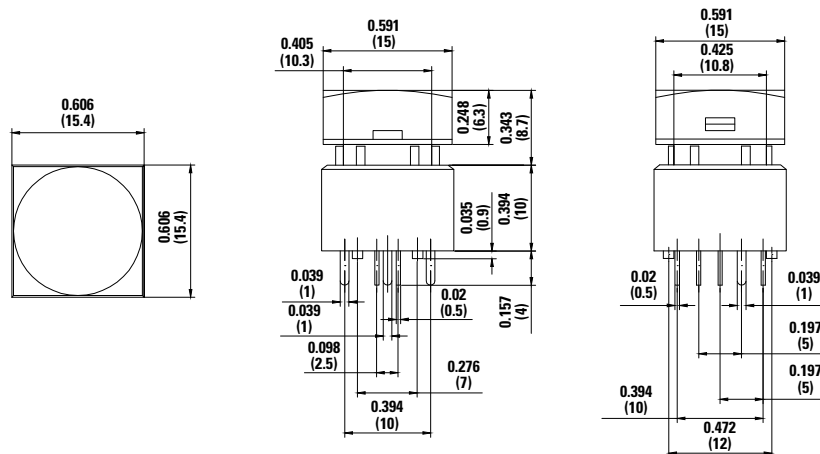


KLS Series

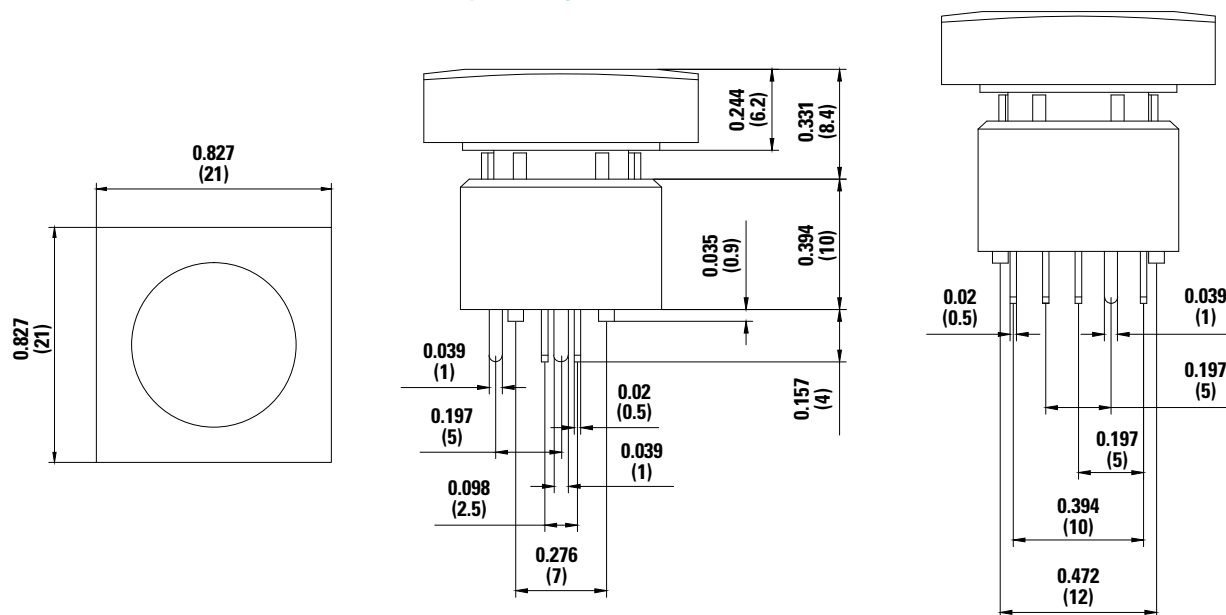
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C Square Concave inches (mm)



L Square Large Concave inches (mm)



KLS Series

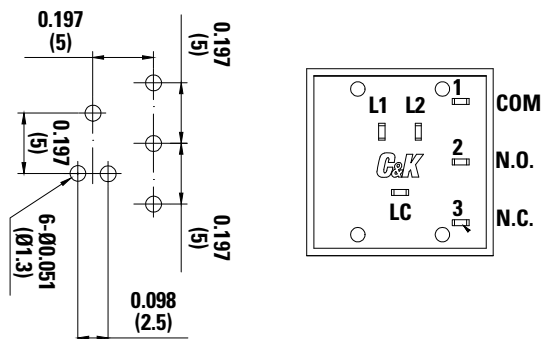
Illuminated SPDT/DPDT Pushbutton



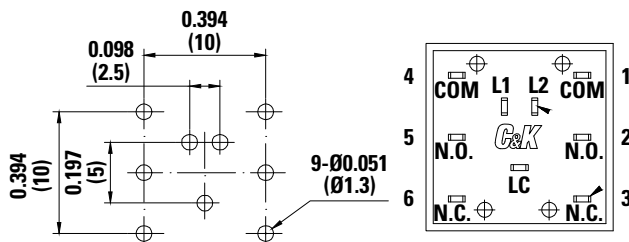
Termination - PCB Layout inches (mm)

Dual Colour

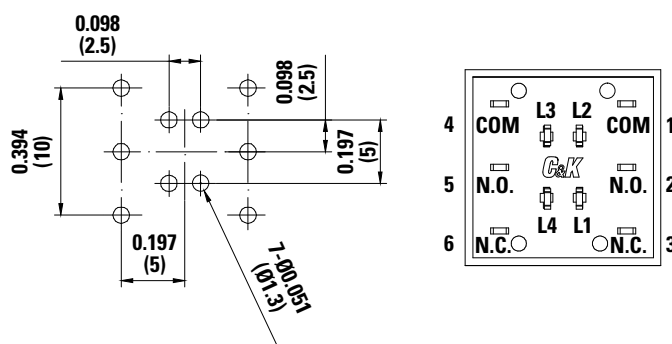
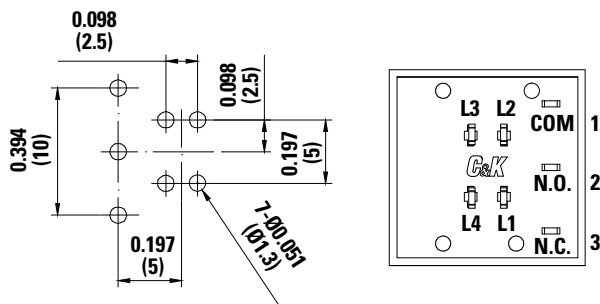
KLS12



KLS22

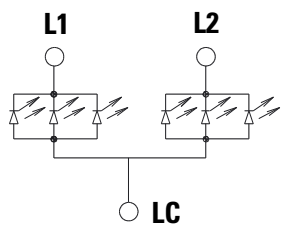


RGB

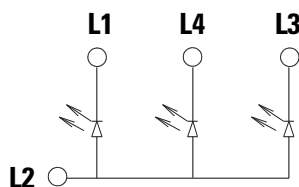


LED Circuit

Dual Color



RGB



Contact Material

Option Code	Contact Material	Terminal Plating	Rating
Q	Copper / Gold ¹ Brass / Silver ²	Silver	25VDC 500 mA
G	Copper / Gold	Copper, Gold	28VDC 100 mA

Notes:
1. Movable Contact
2. Stationary Contact

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