

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 boarder 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

Applications

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

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)

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.

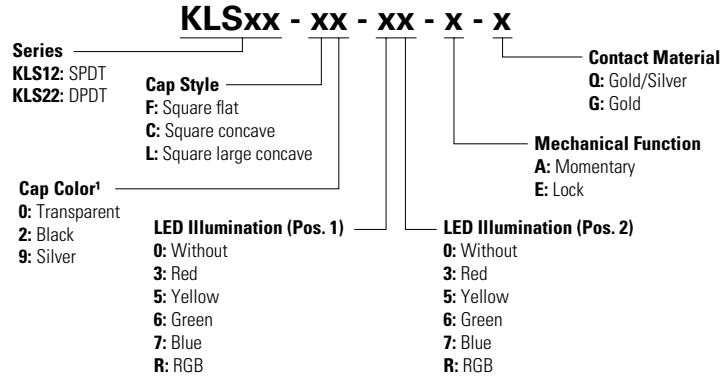
KLS Series

Illuminated SPDT/DPDT Pushbutton



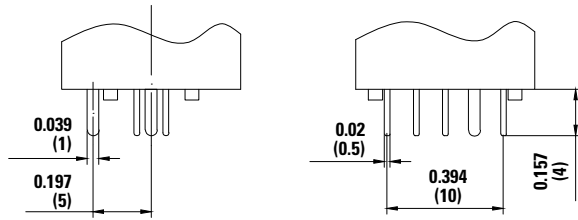
Ordering Number

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



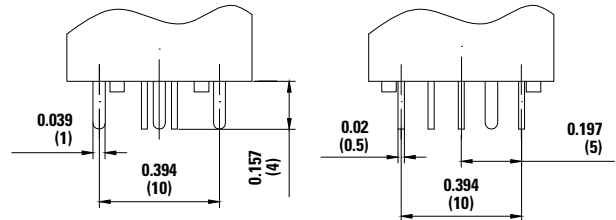
Notes:
1. For CAP with logo or symbol, please contact your sales representative.

KLS12



Series

KLS22

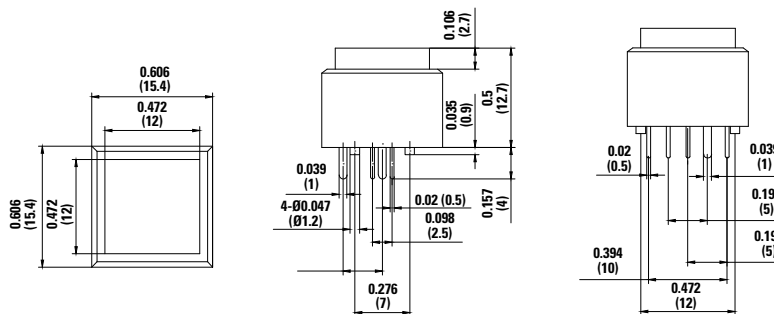


No. Poles	Model No.	Switch Function		Connected Terminals		Schematic
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	KLS12	ON	(ON)	1-3	1-2	
			ON			
DP	KLS22	ON	(ON)	1-3,4-6	1-2,4-5	
			ON			

Notes:
() = Momentary

Cap

F Square Flat inches (mm)

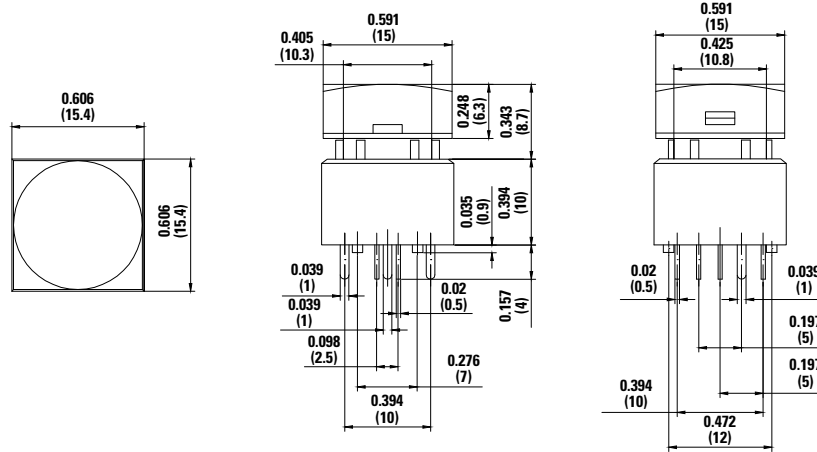


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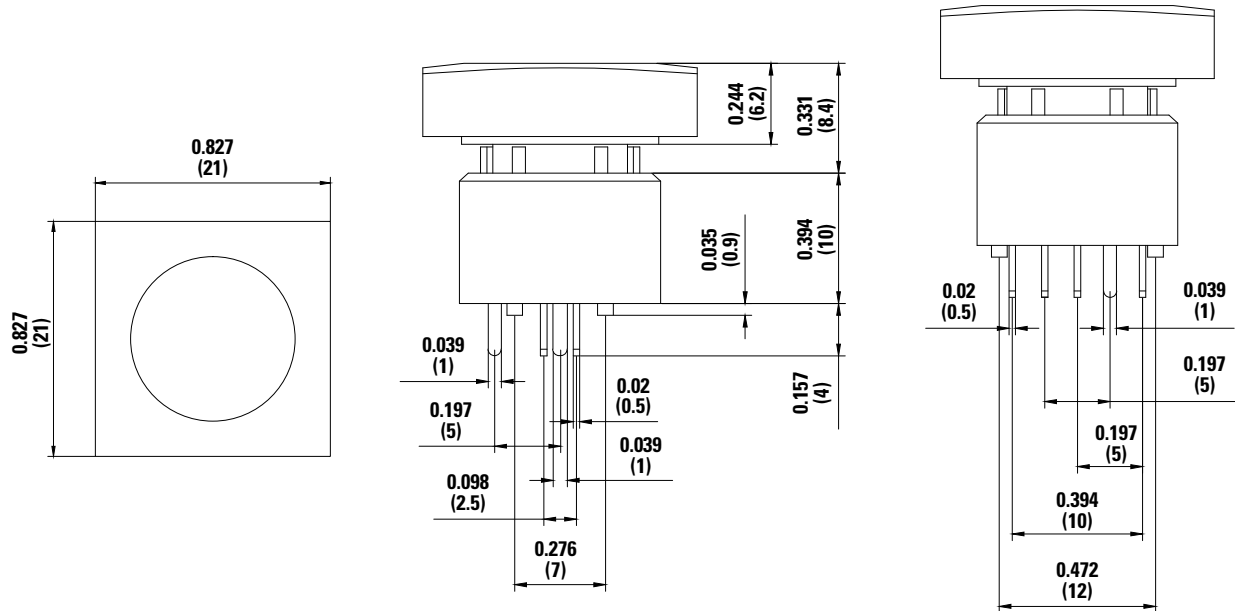
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C Square Concave inches (mm)



L Square Large Concave inches (mm)



KLS Series

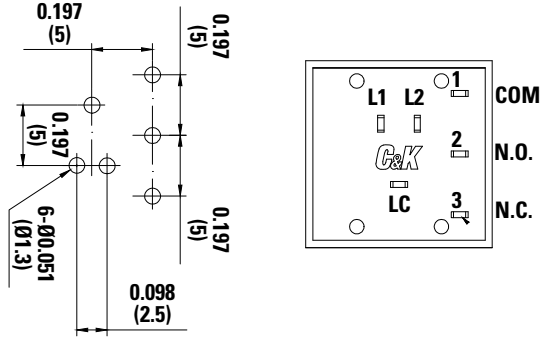
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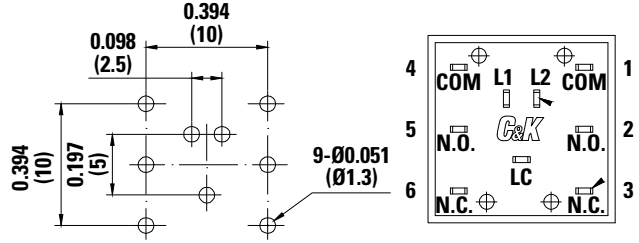
Termination - PCB Layout inches (mm)

Dual Colour

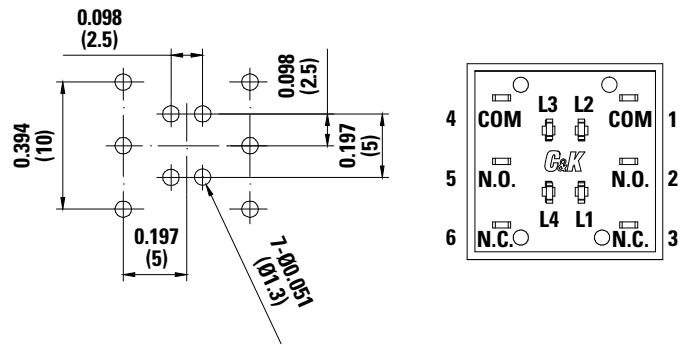
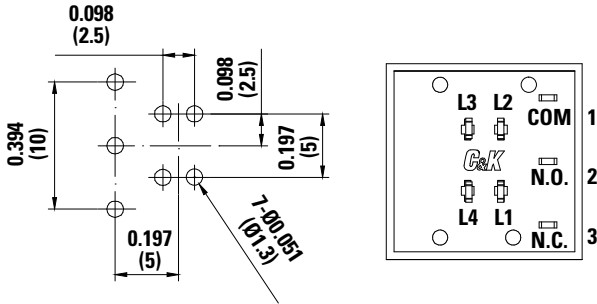
KLS12



KLS22

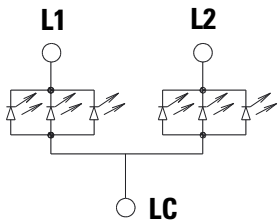


RGB

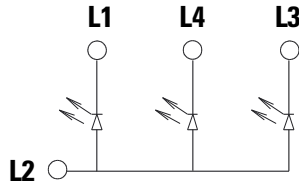


LED Circuit

Dual Colour



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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