KLS
Illuminated SPDT/DPDT Pushbutton

NEW



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**

Typical Applications

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

Specifications

FUNCTION: SPDT, DPDT
CONTACT ARRANGEMENT: N.C.
MOUNTING TYPE: Straight PCB terminals

Mechanical

OPERATING LIFE: 1,000,000 cycles
TOTAL TRAVEL: 2.2 mm
OPERATING FORCE: 200 ± 100 gf (SPDT)
300 ± 150 gf (DPDT)

Electrical

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

Operating Environment

OPERATING TEMPERATURE: -40°C to +85°C

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

Build-A-Switch

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

K	L	S										

Series
KLS12 SPDT
KLS22 DPDT

Cap Style
F Square flat
C Square concave
L Square large concave

Cap Color*
0 Transparent
3 Red
5 Yellow
6 Green
7 Blue
8 Grey
9 Silver

LED Illumination (Pos. I)
0 Without
3 Red
5 Yellow
6 Green
7 Blue
R RGB

LED Illumination (Pos. II)
0 Without
3 Red
5 Yellow
6 Green
7 Blue
R RGB

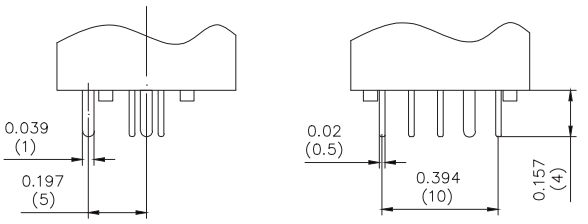
Mechanical Function
A Momentary
E Lock

Contact Material
Q Gold/Silver
G Gold

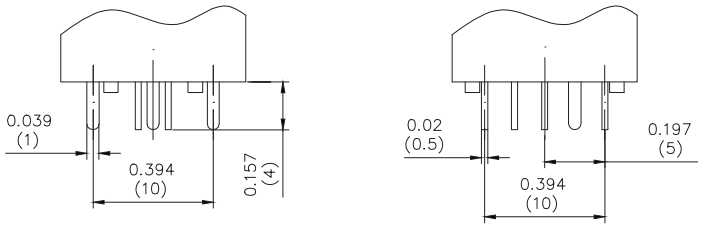
* For CAP with logo or symbol, please contact your sales representative.

SERIES

KLS12



KLS22

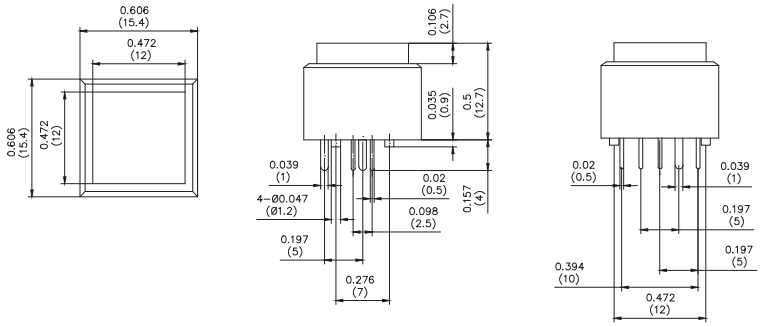


NO. POLES	MODEL NO.	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2	CONNECTED TERMINALS POS. 1	CONNECTED TERMINALS POS. 2	SCHEMATIC
SP	KLS12	ON ON	(ON) ON	1-3	1-2	SPDT COMM 1 N.C 3 2 N.O
DP	KLS22	ON ON	(ON) ON	1-3,4-6	1-2,4-5	DPDT COMM 1 N.C 3 2 N.O; COMM 4 N.C 6 5 N.O

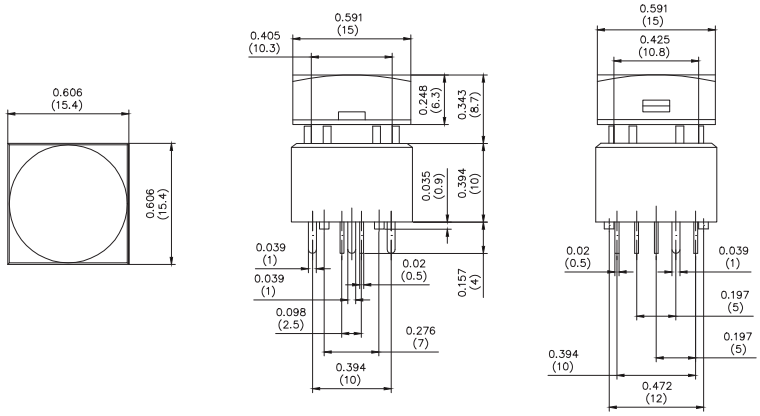
( )=Momentary

CAP

F SQUARE FLAT



C SQUARE CONCAVE



Third Angle Projection

KLS
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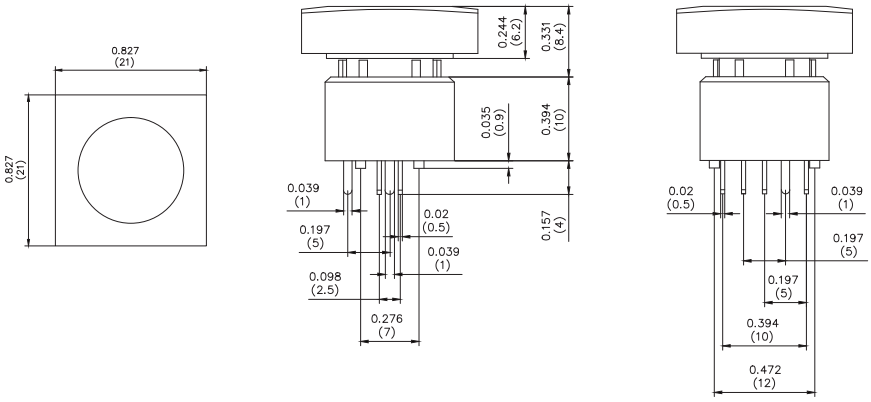
NEW

CAP

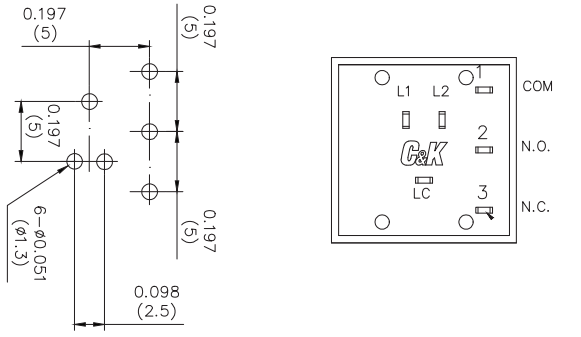
L SQUARE LARGE CONCAVE



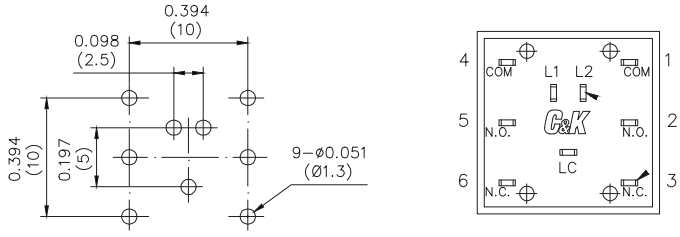
TERMINATION

PCB LAYOUT

KLS12



KLS22



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	28 VDC 100 mA

[1] Movable contact
[2] Stationary contact

First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change