# DIGITAST **Microminiature SPDT, Key Switches**

# Features/Benefits

- High reliability/long life
- Designed for low level switching
- Ready to implement on PCB
- Latching function available
- Several button options
- **RoHS compliant and compatible**

### Construction

FUNCTION: momentary or push-push CONTACT ARRANGEMENT: 1 change over contact SPDT, NO MODE OF SWITCHING: Non-shorting DISTANCE BETWEEN BUTTON CENTERS:

HORIZONTAL MINIMUM: 12,7 (0.500) or 17,78 (0.700) VERTICAL MINIMUM: 17,78 (0.700) TERMINALS: PC pins MOUNTING: Soldering, centering pins

### Mechanical

TOTAL TRAVEL:  $\leq 3$  (.0018) SWITCHING TRAVEL: 1,5 (0.0591) LATCHING TRAVEL: 1,8 (0.0709) OPERATING FORCE: 1.5 +/- 0.5 N (150 +/- 50 grams)

### Process

SOLDERABILITY:

Wave soldering, compatible with lead free soldering profile Hand soldering, 350°C for 3 seconds

#### How To Order

**Typical Applications** 

- Medical
- Instrumentation
- Industrial electronics
- Audio electronics



## **Electrical**

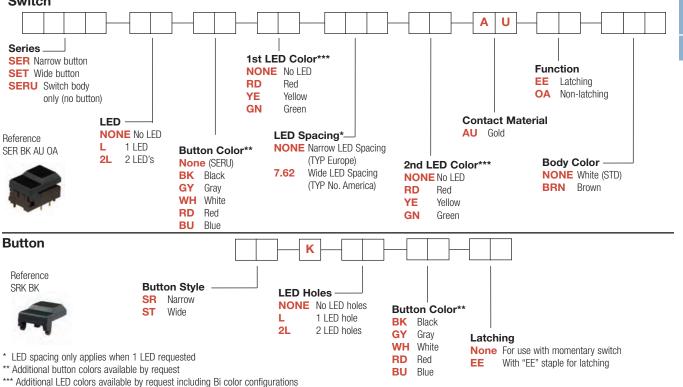
SWITCHING POWER MAX .: 240 mW DC SWITCHING VOLTAGE MAX .: 24 V DC SWITCHING CURRENT MAX .: 10 mA DC CARRYING CURRENT AT 20°C (push-push version): 100 mA DIELECTRIC STRENGTH (50 Hz, 1 min): 500 V OPERATING LIFE with or without max. switching power Momentary:  $\geq 5 \times 10^6$  operations Push-push:  $\geq$  5 x 10<sup>5</sup> operations CONTACT RESISTANCE: Initial  $\leq 50 \text{ m}\Omega$ After 5 x 10<sup>6</sup> operations:  $\leq$  100 m $\Omega$ INSULATION RESISTANCE:  $\geq 10^{10} \Omega$ CAPACITANCE at f= 10 kHz: ≤ 0.8pF BOUNCE TIME: ≤ 2.5 ms Operating speed 400 mm/s (15.75/s)

# Environmental

OPERATING TEMPERATURE: -25°C to 85°C.

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. Some of the configurations may not be available or could require some development.

#### Switch

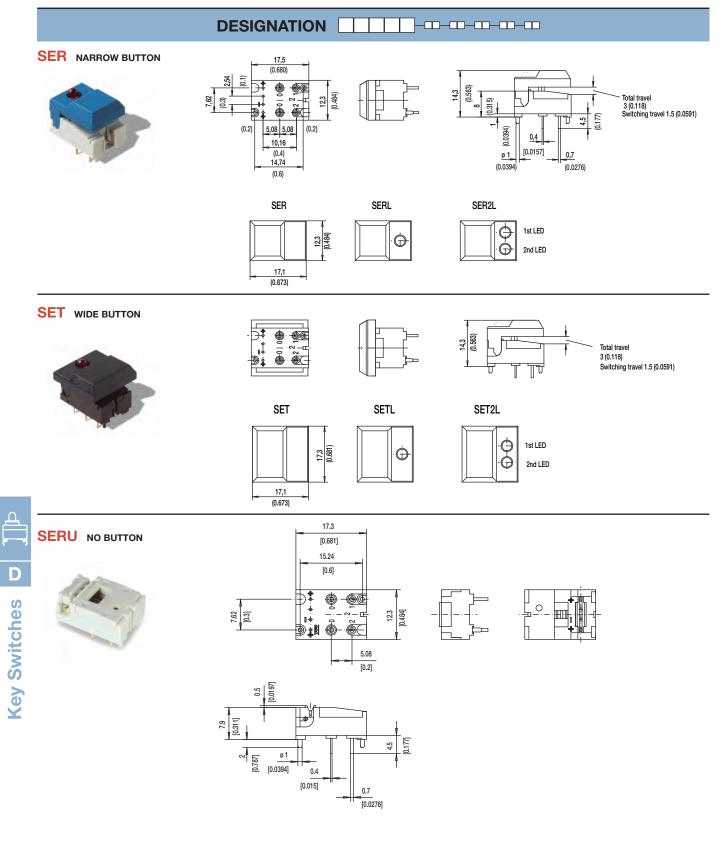




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**C**&K

www.ck-components.com

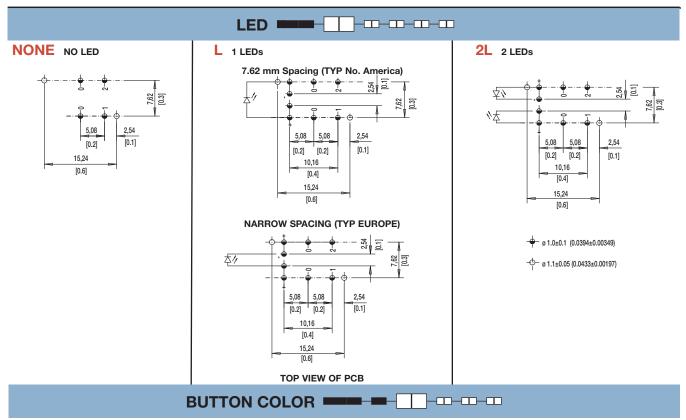
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Specifications and dimensions subject to change

First Angle

Dimensions are shown: mm

# DIGITAST Microminiature SPDT, Key Switches



# BK BLACK

**GY** GRAY

Other button colors available by request [red (RD), green (GN), white (WH), yellow (YE) , blue (BU) , orange (OG)].

LED CC	DLOR -		]	൧
[	OPTION CODE	COLOR		ļ,
	NONE RD	Models without LED Red	_	D
-	GN YE	Green Yellow	_	Кеу
				<u>×</u>
	OPTION CODE	MATERIAL		witche
	AU	Gold		les

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OPTION CODE	COLOR	SCHEMATIC
OA	Momentary	
EE	Push-Push	



Dimensions are shown: mm Specifications and dimensions subject to change

