## SDS Series

Side Actuated Detect Switches

## Features/Benefits

- Low profile package sits just $2 m m$ off PCB
- $2 m m$ overtravel ideal for detector applications
- Low actuation force ( 75 grams max.)
- Pick \& place compatible, available in tape \& reel packaging
- RoHS compliant and compatible


## Typical Applications

- Medical devices
- Consumer electronics
- PCB lock cam detect
- loT devices
- ATCA and MicroTCA


## Specifications

CONTACT RATING: $100 \mathrm{~mA} @ 12$ VDC.
MECHANICAL \& ELECTRICAL LIFE: 50,000 cycles.
CONTACT RESISTANCE: $100 \mathrm{~m} \Omega$ max. initial. INSULATION RESISTANCE: $10 \mathrm{M} \Omega \mathrm{min}$. @ 100 VDC. OPERATING TEMPERATURE: $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$. SOLDERABILITY: IR compatible, no wash. $260^{\circ} \mathrm{C}$ max. PACKAGING: Bulk or tape \& reel ( 3000 per reel).

## Materials

BASE: Glass filled LCP (UL 94V-0).
ACTUATOR: Glass Filled LCP (UL94V-0).
COVER: Nickel silver w/silver plate.
MOVABLE CONTACT: Phosphor bronze, see table for plating.
TERMINALS: Phosphor bronze, see table for plating.

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

## How to Order

Complete part numbers for SDS Series Switches are shown below.


| $\begin{aligned} & \text { PART } \\ & \text { NUMBER } \end{aligned}$ | HOUSING COLOR | PACKAGING | SCHEMATIC | Contact Plating | Terminal |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SDS001 | Black | Bulk |  | Silver <br> Clad | Silver <br> Plate |
| SDS001R |  | Tape \& Reel |  |  |  |
| SDS002 | White | Bulk |  |  |  |
| SDS002R |  | Tape \& Reel |  |  |  |
| SDS004 | Black | Bulk |  | $\begin{aligned} & \text { Gold } \\ & \text { Flash } \end{aligned}$ | Gold <br> Flash |
| SDS004R |  | Tape \& Reel |  |  |  |
| SDS005 | White | Bulk | $\text { N.C. }{ }^{2} \bullet \bullet^{1}$ |  |  |
| SDS005R |  | Tape \& Reel |  |  |  |



SDS001 SPST


## TAPE \& REEL



TAPE \& REEL PACKAGIVG NOTES:
a. PACKAGE QUAVTITY: 3,000 PCS/REEL.
b. SPECIFICATION OF TAPING PACKAGE: THE REEL CARRIER TAPE WILL HAVE A LEAD OF 33 EMPTY COMPONENT POCKETS AND AN END OF 14 EMPTY COMPONENT POCKETS ON EVERY REEL. ALL EMPTY COMPONENT POCKETS WILL BE SEALED WITH COVER TAPE.
c. AFTER THE LEAD, NO REEL CARRIER TAPE SHALL HAVE TwO CONSECUTIVE EVPTY COMPONENT POCKETS.


