

SDS Series

Side Actuated Detect Switches

Features/Benefits

- Low profile package sits just 2mm off PCB
- 2mm 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
- IoT devices
- ATCA and MicroTCA



Specifications

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

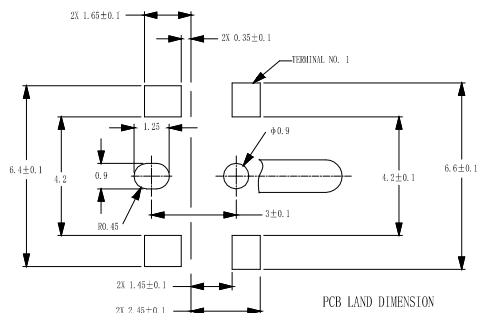
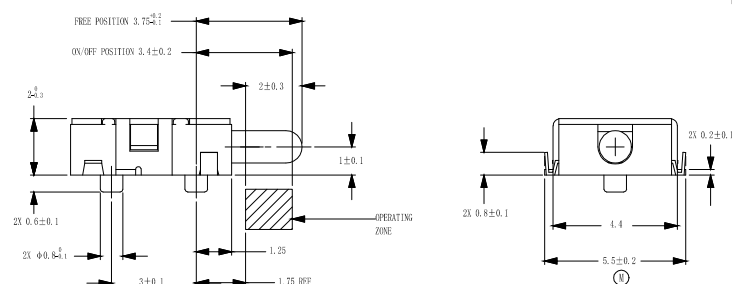
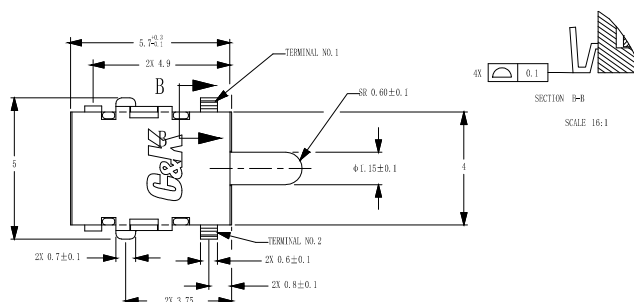
Materials

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.



PART NUMBER	HOUSING COLOR	PACKAGING	SCHEMATIC	Contact Plating	Terminal Plating
SDS001	Black	Bulk	N.O. 2 1	Silver Clad	Silver Plate
SDS001R		Tape & Reel			
SDS002	White	Bulk	N.C. 2 1	Gold Flash	Gold Flash
SDS002R		Tape & Reel			
SDS004	Black	Bulk	N.O. 2 1	Gold Flash	Gold Flash
SDS004R		Tape & Reel			
SDS005	White	Bulk	N.C. 2 1	Gold Flash	Gold Flash
SDS005R		Tape & Reel			



SDS001
SPST



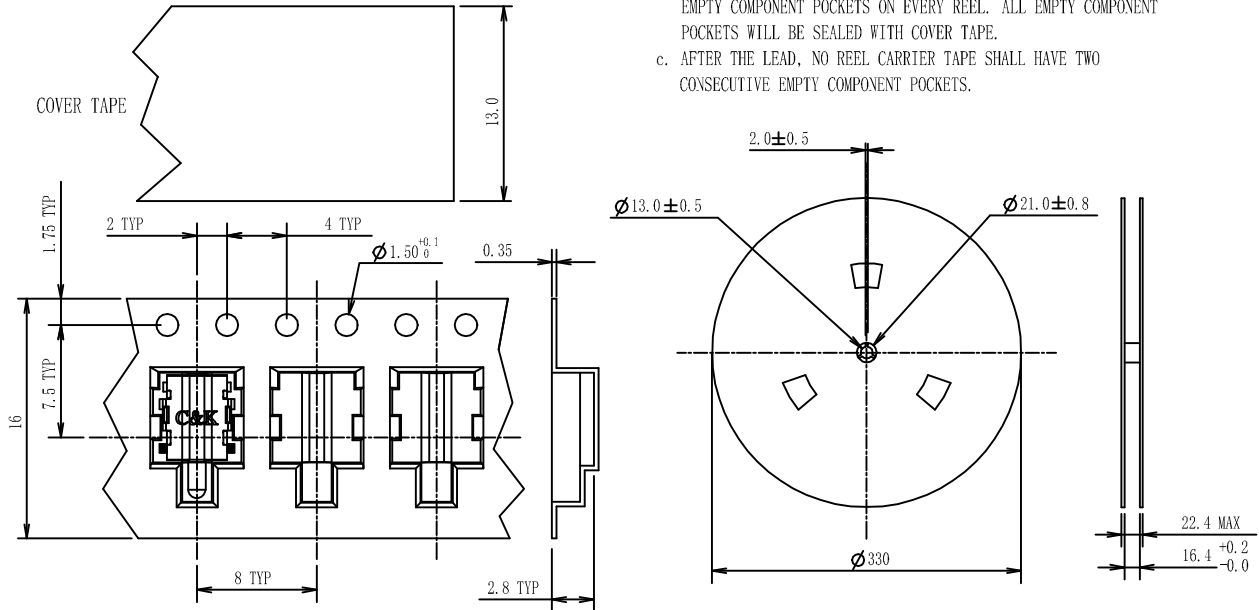
Dimensions are shown: mm
 Specifications and dimensions subject to change

SDS Series Side Actuated Detect Switches

TAPE & REEL

TAPE & REEL PACKAGING NOTES:

- PACKAGE QUANTITY: 3,000 PCS/REEL.
- 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.
- AFTER THE LEAD, NO REEL CARRIER TAPE SHALL HAVE TWO CONSECUTIVE EMPTY COMPONENT POCKETS.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

[SDS001](#) [SDS005](#) [SDS001R](#) [SDS002](#) [SDS002R](#) [SDS004](#) [SDS004R](#) [SDS005R](#)