

C&K TDA Series Ultra-miniature Surface Mount Half-pitch DIP Switches



Features/Benefits

- **Bifurcated contact for increased electrical reliability**
- **Tin-lead plated terminals for reliable solder coverage**
- **Process sealed for surface mount soldering and washable processing**
- **RoHS compliant - options available**

Typical Applications

- **Hand-held electronic devices**
- **Portable computer and electronic devices**
- **Instrumentation and controls**



How To Order

Complete part numbers for TDA Series are shown below. All switches supplied in "OFF" position.

Specifications

SWITCH FUNCTION: SPST – 2, 4, 6, 8 & 10 positions.

CONTACT RATING:

24 V DC, 25 mA (switching).

50 V DC, 100 mA (steady state).

MECHANICAL AND ELECTRICAL LIFE: 1,000 cycles.

CONTACT RESISTANCE: 100 milliohms max.

INSULATION RESISTANCE: 100 megohms @ 100 V DC min.

DIELECTRIC STRENGTH: 300 V AC min.

STORAGE TEMPERATURE: -40°C to 85°C.

OPERATING TEMPERATURE: -20°C to 85°C.

OPERATING FORCE: 4,9N max.

SOLDERABILITY: Per MIL-STD-202F method 208D, or

EIA RS-186E method 9 (1 hour steam aging).

PACKAGING: Switches supplied in rigid dispensing tubes in full tube quantities only, this may affect order quantity. Numbers of switches per tube varies with model. Tape and reel packaging also available.

Materials

CASE & COVER: Tin Lead, Version PPA (UL94V-0)

RoHS, Version PPS (UL94V-0)

ACTUATOR: LCP (UL94V-0).

CONTACTS: Copper alloy, with gold plate over nickel plate.

TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

RoHS version, copper alloy, with gold flash over nickel plate.

All terminals are insert molded.

TAPE SEAL: Polyimide.

NOTE: For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

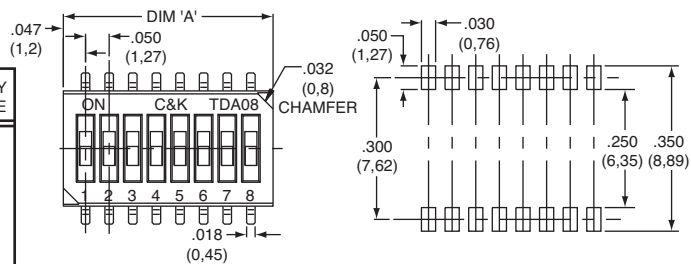
Note: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Tube Package

| ROHS PART NUMBER | TIN LEAD PART NUMBER | NO. POS. | DIM. 'A' | QUANTITY PER TUBE |
|------------------|----------------------|----------|--------------|-------------------|
| TDA02H0SB1 | TDA02H0SK1 | 2 | .144 (3,67) | 125 |
| TDA04H0SB1 | TDA04H0SK1 | 4 | .244 (6,21) | 70 |
| TDA06H0SB1 | TDA06H0SK1 | 6 | .344 (8,75) | 50 |
| TDA08H0SB1 | TDA08H0SK1 | 8 | .444 (11,29) | 40 |
| TDA10H0SB1 | TDA10H0SK1 | 10 | .544 (13,83) | 30 |

Schematic

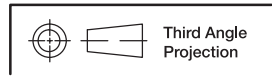
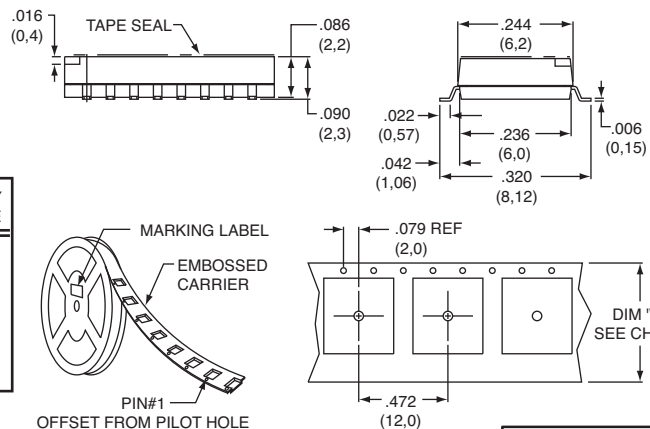
SPST



TDA08H0SK1

Tape & Reel Package

| ROHS PART NUMBER | TIN LEAD PART NUMBER | NO. POS. | DIM. 'W' | QUANTITY PER TUBE |
|------------------|----------------------|----------|-------------|-------------------|
| TDA02H0SB1R | TDA02H0SK1R | 2 | .630 (16,0) | 2000 |
| TDA04H0SB1R | TDA04H0SK1R | 4 | .630 (16,0) | 2000 |
| TDA06H0SB1R | TDA06H0SK1R | 6 | .630 (16,0) | 2000 |
| TDA08H0SB1R | TDA08H0SK1R | 8 | .945 (24,0) | 2000 |
| TDA10H0SB1R | TDA10H0SK1R | 10 | .945 (24,0) | 2000 |



Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

