# **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.

DIM 'A

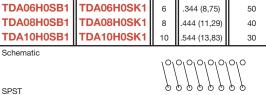
(1.2)

NOTE: For the latest information regarding RoHS compliance, please go to:

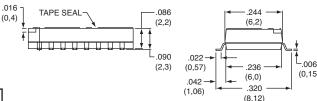
Note: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

# **Tube Package**

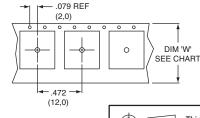
ROHS PART NUMBER	TIN LEAD PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE			
TDA02H0SB1	TDA02H0SK1	2	.144 (3,67)	125			
TDA04H0SB1	TDA04H0SK1	4	.244 (6,21)	70			
TDA06H0SB1	TDA06H0SK1	6	.344 (8,75)	50			
TDA08H0SB1	TDA08H0SK1	8	.444 (11,29)	40			
TDA10H0SB1	TDA10H0SK1	10	.544 (13,83)	30			
Schematic							
SPST 00000000							



#### -.050 .050 (127).032 TDA08 CHAMFER .250 .350 .300 (6,35) (8,89) (7,62)TDA08H0SK1 (0.45).016



# MARKING LABEL EMBOSSED CARRIER PIN#1 OFFSET FROM PILOT HOLE





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

# **Tape & Reel Package**

ROHS PART NUMBER	TIN LEAD PART NUMBER	NO. POS.	DIM. 'W'	QUANTITY PER TUBE
TDA04H0SB1R	TDA02H0SK1R TDA04H0SK1R TDA06H0SK1R		.630 (16,0) .630 (16,0) .630 (16,0)	2000 2000 2000
	TDA08H0SK1R	1 1	.945 (24,0) .945 (24,0)	2000

