



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# DHS SERIES 1/2 PITCH SPST SURFACE MOUNT DIP SWITCHES

## FEATURES

- Ultra-compact low-profile size.
- .050" (1.27mm) terminal spacing.
- Self-cleaning twin point contacts.
- Auto-insertable and reflow solderable.
- Process compatible with std'd. tape seal.

## GENERAL SPECIFICATIONS

### ELECTRICALS

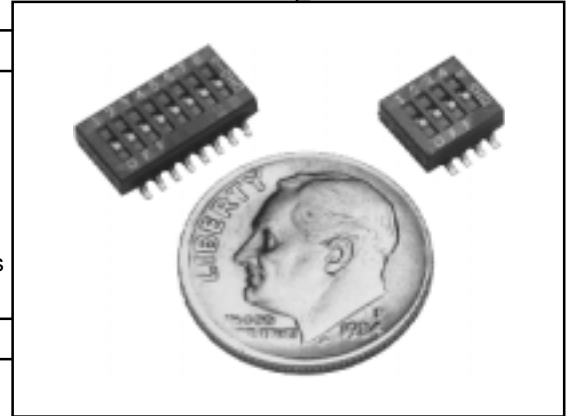
Electrical life	1000 cycles minimum
Contact rating, non-switching	100 mA at 50 VDC
Contact rating, switching	100 mA at 6 VDC
Contact resistance	100 m $\Omega$ maximum
Insulation resistance	100 M $\Omega$ minimum
Dielectric strength	250 VDC for 1 min. between adjacent or opposite terminals
Capacitance	5 pf. max. between adjacent or opposite terminals

### MECHANICALS, THERMALS

Operating force	400 grams maximum
Vibration	10-55 Hz. per MIL-STD-202F, METHOD 201A
Shock	50 g (peak value) for 11 msec. per MIL-STD-202F, METHOD 213B
Operating temperature range	-40°C to +80°C

### SOLDERING & CLEANING RECOMMENDATIONS

Hand soldering	330°C max. for 3 seconds max. (30 watt iron max.)
Reflow soldering	Set oven at 215°C max. for 90 seconds max.
Cleaning (with standard tape seal in place)	1-1-1 Trichloroethane, Freon TE, Isopropyl alcohol or aqueous cleaner for 2 minutes max. at 20°C



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

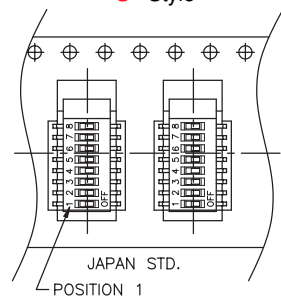
## MATERIALS

Base	UL94V-O, glass fiber filled PPS, black
Cover	UL94V-O, glass fiber filled PPS, black
Actuators	UL94V-O, Polyamide, yellow
Contacts	Gold plated beryllium copper
Terminals	Gold plated copper alloy
Terminal seal	Epoxy
Tape seal	Polyimide

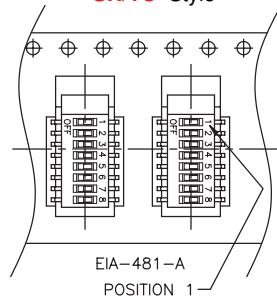
## PACKAGING

Supplied in tape & reel packaging.  
Reel & tape meets the requirements of EIA-481-A.

### S Style



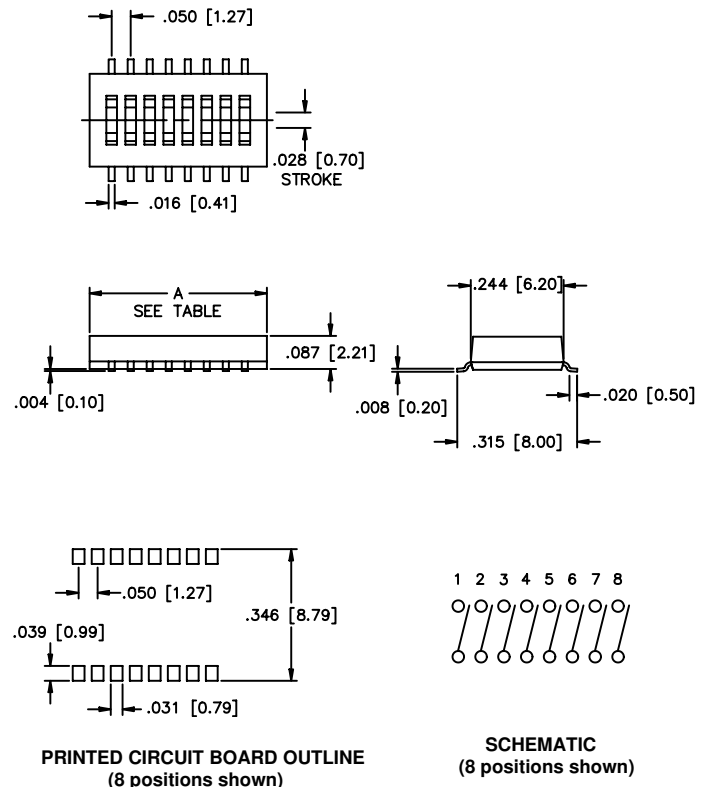
### SR/TC Style



MODEL NUMBER	NO. OF POS.	A DIMENSION	
		IN( $\pm 0.012$ )	MM( $\pm 0.30$ )
DHS4S	4	.268	6.81
DHS6S	6	.368	9.35
DHS8S	8	.468	11.89
DHS10S	10	.568	14.43

Note: S at end of model no. indicates **S** style packaging. Substitute SR/TC for S for **SR/TC** packaging.

## MECHANICAL OUTLINE



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