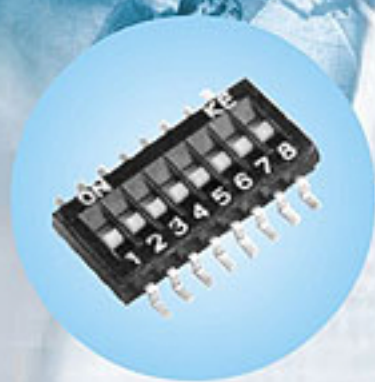


# DSHP Series

## 1.27mm Half-Pitch DIP SW

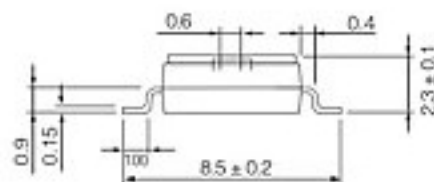
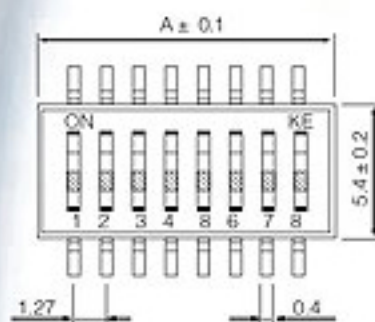


### Features

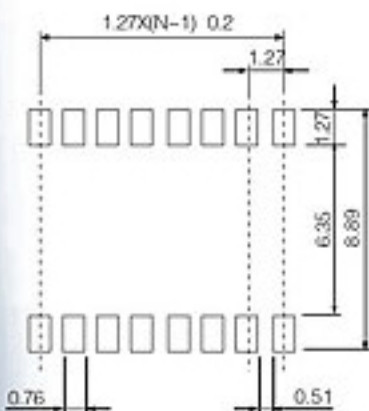
- Hyper-miniature DIP Switch, surface mount device base on 1.27mm pitch.
- Lowest contact resistance less than 50m.
- Twin points and gold-plated contact, reliable design.
- All materials are UL 94V0 grade, high temperature resistant plastic.

Packing: All DIP Switches Are Slipped In Standard IC Tubes Or Reel Package With All Poles In The 'OFF'.

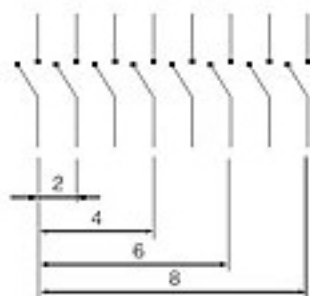
### Dimensions (unit: mm)



### P.C.B. Layout (unit: mm)



### Circuitry



### Dimensions:

Gold/Gold plated G type P/N	Gold/Tin plated Stype P/N	Unit	
		mm	inch
DSHP02TSG	DSHP02TSS	4.12	0.16
DSHP04TSG	DSHP04TSS	6.66	0.26
DSHP06TSG	DSHP06TSS	9.20	0.36
DSHP08TSG	DSHP08TSS	11.74	0.46
DSHP10TSG	DSHP10TSS	14.28	0.56
DSHP12TSG	DSHP12TSS	16.82	0.66

### Material

Part Name	Material	Finished
Base	UL94V0	Black
Cover	UL94V0	Black
Actuator	UL94V0	White
Movable	Beryllium	Gold/Tin
Terminal Contact	Brass	Gold/Tin
Terminal	Brass	Gold/Tin

### Ratings:

- Contact Rating  
 Switching : 25mA at 24VDC  
 Non-Switching : 100mA at 50VDC

#### Contact Resistance

- Initial : 50MΩ Max  
 After life : 100MΩ Max  
 Insulation Resistance : 100MΩ Min, 60sec at 100VDC  
 Dielectric Strength : 300VAC for 60 seconds  
 Switch Capacitance : 5pF Max at 1MHZ  
 Operation Temperature : -30°C to +85°C  
 Storage Temperature : -40°C to +85°C

### Mechanical & Processing

- Operation Force : 500gf Max  
 Mechanical Life : 1000 cycles Operations  
 Resistance to Soldering : 245 ± 5°C for 3-5 seconds

### Switch Operation and Taping

1. Use Tweezers or ball point pen for operation
2. Flux cleaning should be done without removing the Tape
3. If the Tape is removed, it adhered less than before when it is placed back on, possibly causing flux inflow.
4. Sealed switches withstand aqueous, detergent and isopropyl alcohol washing.