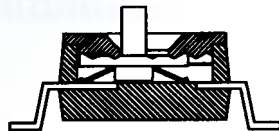
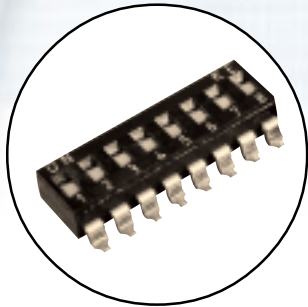


DSIC Series

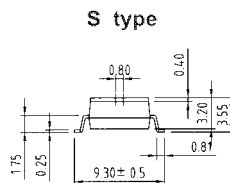
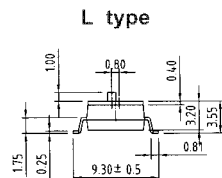
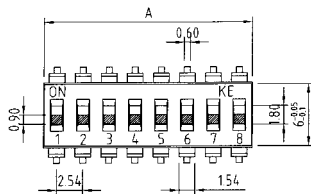
Surface Mount DIP SW



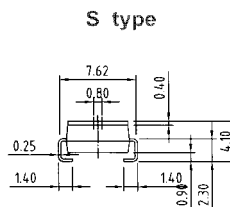
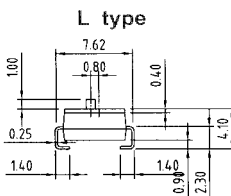
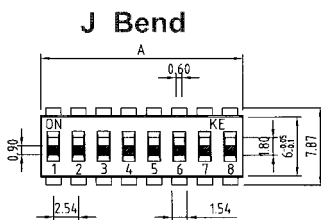
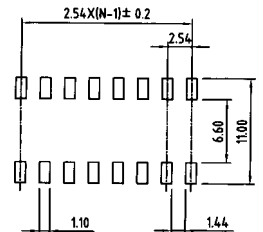
Features

- All materials are UL 94V-0 grade, high temperature resistance plastic.
- Twin contact design to ensure stable contact.
- Gold-plated contact to ensure low contact resistance, Tin plated terminals to prevent contamination during soldering.

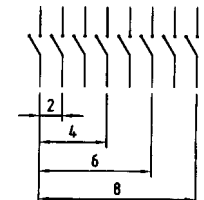
Dimensions (unit: mm)



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



Circuitry



Dimension A:

No. of Positions		2	3	4	5	6
A	mm	5.08	7.62	10.16	12.7	15.24
	inch	0.2	0.3	0.4	0.5	0.6
No. of Positions		7	8	9	10	12
A	mm	17.78	20.23	22.86	25.4	30.48
	inch	0.7	0.8	0.9	1.0	1.2

Material

Part Name	Material	Finished
Base	PPS UL94 V0	Black
Cover	PPS UL94 V0	Black
Actuator	Nylon UL94 V0	White
Movable	Copper Alloy	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 Max, Min at 100VDC
 Dielectric Strength : 500VAC 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 : 1000gf Max
 Mechanical Life : 3000 cycles operations
 Resistance to Soldering : 250°C ±10°C for 10 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.

DSIC / DSPV Series

Environmental

Gold Testing

Switches under temperature at $-40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ for 96 hours

Dry Heat Testing

Switches under temperature at $85^{\circ}\text{C}\pm 2^{\circ}\text{C}$ for 96 hours

Humidity

Per MIL-STD-202F, Method 103B, Test Condition B:

There shall be no evidence of corrosion and the insulation resistance shall be no less than 100 megaohms.

Vibration:

Per MIL-STD-202F, Method 204D, Test Condition A:

There shall be no opening of closed contacts or closing of open contacts in excess of 10 microseconds.

Shock:

Per MIL-STD-202F, Method 213B, Test Condition A:

There shall be no opening of closed contacts or closing of open contacts in excess of 10 microseconds.

Thermal Shock:

Per MIL-STD-202F, Method 107G, Test Condition A:

There shall be no evidence of physical damage or permanent change in electrical characteristics.

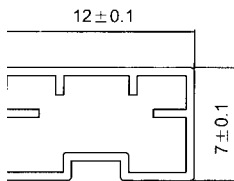
Salt-Spray Test

Per MIL-STD-202F, Method 101D, Test Condition B:

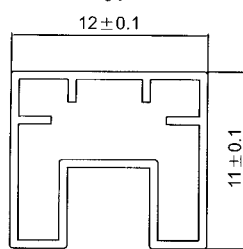
There are under $35\pm 2^{\circ}\text{C}$ in temperature and $5\pm 1\%$ salt-water concentration for 48 ± 1 hours.

Packing Specifications

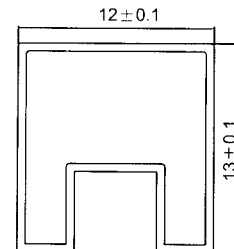
S Type Tube



A/H Type Tube

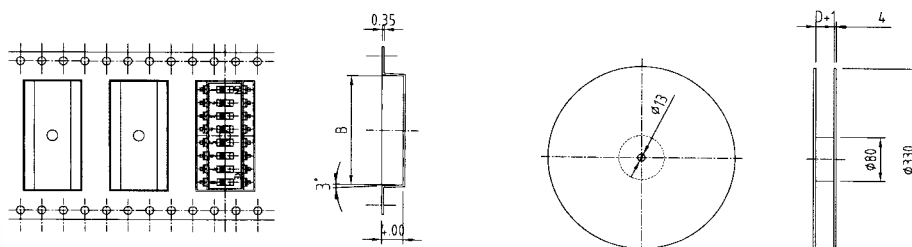


A/H/S Tube



Unit: Piece/per Tube

Package	Pole	2	3	4	5	6	7	8	9	10	12
Tube	Q'TY	100	66	50	40	33	28	25	22	20	16
Tube	Q'TY	83	58	42	35	30	26	23	20	18	15



Unit: Piece/per Reel

Package	Pole	2	3	4	5	6	7	8	9	10	12
Reel	Q'TY	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000