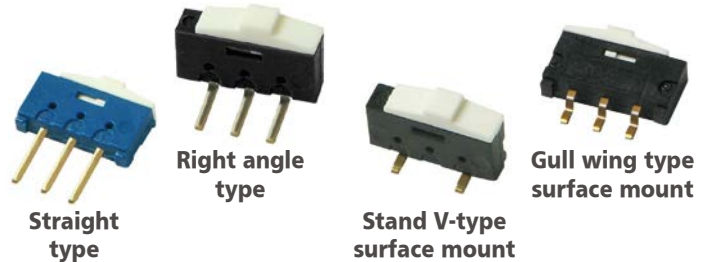


ESP-SPDT Series

SLIDE SWITCH FOR P.C.B.



Straight type

Right angle type

Stand V-type surface mount

Gull wing type surface mount

FEATURES

- The distance of 2 adjacent pins or stacked devices is 2.54 mm pitch
- All plastics are UL 94V-0 grade fire retardant
- Low contact resistance and long mechanical life, suitable for signal switching and communication equipments
- RoHS Compliant

APPLICATIONS

- Measuring point changeover switches
- Service switch
- Controls for consumer devices

SPECIFICATIONS

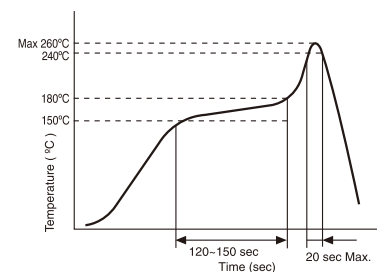
1. ELECTRICAL

Contact rating	0.2A, 24VDC; 0.5A, 12VDC
Minimum contact rating	1mA, 10mV
Contact resistance	
initial	50mΩ Max.
after life test	100mΩ Max.
Dielectric strength	2mA, 500VDC for 60 seconds
Capacitance	1.5pF Max.
Insulation resistance	1,000MΩ Min. under 500VDC
Mechanical life	5,000 operations

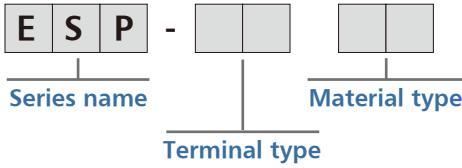
2. MECHANICAL and ENVIRONMENTAL

Temperature rating	
operating	-40°C to +85°C
storage	-40°C to +85°C
Resistance to Soldering heat	
Solder bath	260°C ±3°C for 3 sec Max.(Standard version) 260°C ±3°C for 5 sec Max.(Tropical version)
Vibration	normal operation at 10 Hz to 60 Hz, 1.5mm movement
Salt spray	35°C, 5% for 24 hours
Operation force	800g Max.

Reflow Soldering heat for SMT type (reference only)



PART NUMBERING SYSTEM



Series name

E S P Slide switch for P.C.B., SPDT

Terminal type

1 0	Straight type
2 0	Right angle type
3 0	Stand V-type surface mount (Tropical version only)
4 0	Gull wing type surface mount (Tropical version only)

Material type

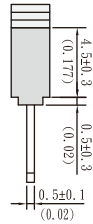
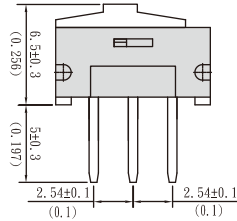
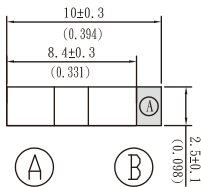
1 0	Standard version (Blue)
2 0	Tropical version (Black)
K D	Tape & Reel Package (For ESP4020 only)

DIMENSIONS AND CIRCUITRY

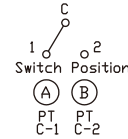
Unit mm (inch)

ESP-10□□

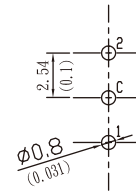
Straight Type



CIRCUIT DIAGRAM

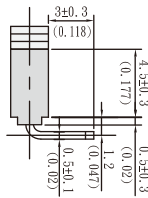
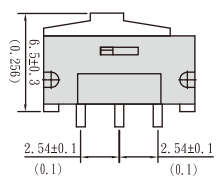
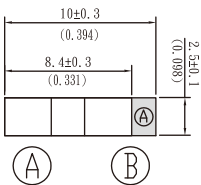


P.C.B LAYOUT(TOP VIEW)

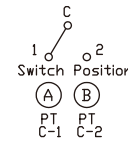


ESP-20□□

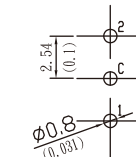
Right Angle Type



CIRCUIT DIAGRAM

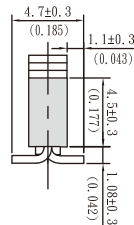
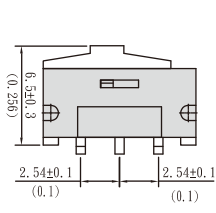
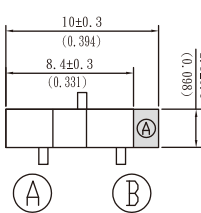


P.C.B LAYOUT(TOP VIEW)

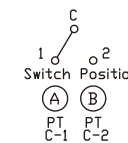


ESP-30□□

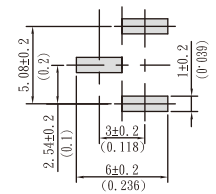
Stand V-type surface mount



CIRCUIT DIAGRAM

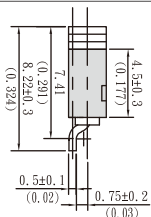
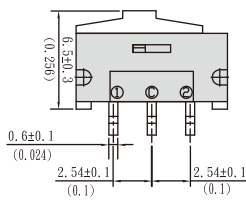
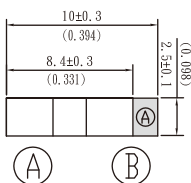


P.C.B LAYOUT(TOP VIEW)

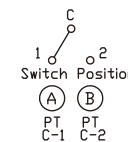


ESP-40□□

Gull wing type surface mount



CIRCUIT DIAGRAM



P.C.B LAYOUT(TOP VIEW)

