

SLIDE SWITCH FOR P.C.B. ESP-SPDT SERIES

**ESP10XX****ESP20XX****ESP30XX****ESP40XX**

■ 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
- Halogen Free series available

■ APPLICATIONS

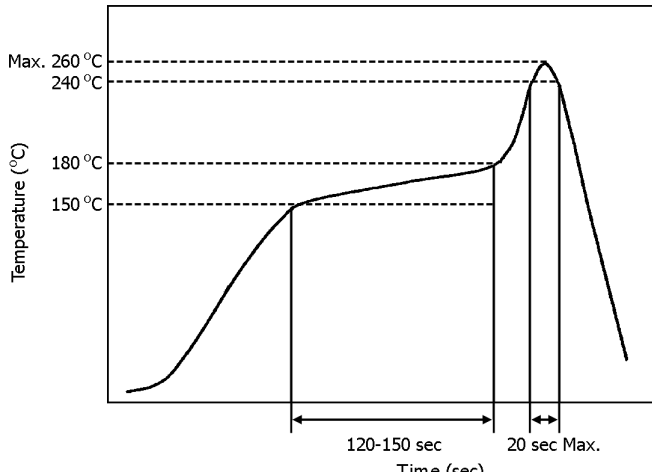
- Measuring point changeover switches
- Service switch
- Controls for consumer devices

■ SPECIFICATIONS

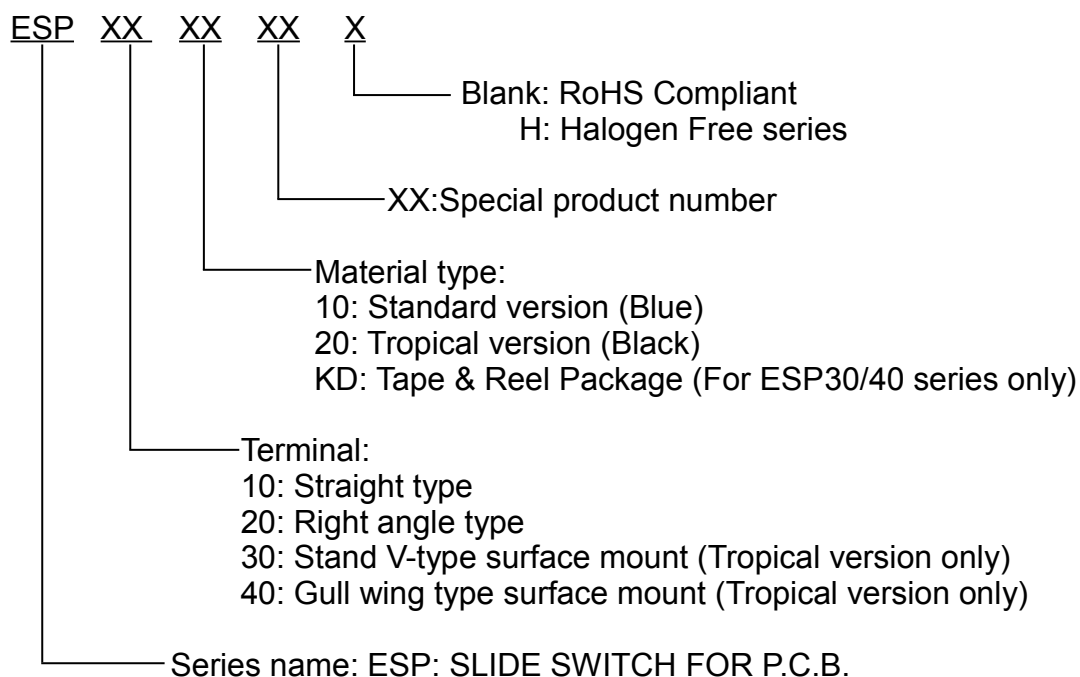
1. ELECTRICAL CHARACTERISTICS

● Contact rating	0.2A, 24VDC; 0.5A, 12VDC
● Minimum contact rating	1mA, 10mV
● Contact resistance	initial: 50mΩ Max.
	after life test: 200mΩ Max.
● Dielectric strength	2mA, 500VDC for 60sec.
● Capacitance	1.5pF Max.
● Insulation resistance	1000MΩ Min. at 100VDC
● Mechanical life	2000 operations

2. GENERAL CHARACTERISTICS

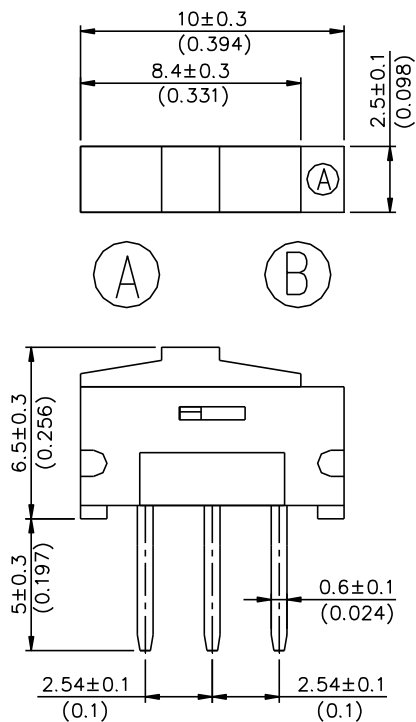
● Temperature range	operating	-40°C to +85°C
	storage	-40°C to +85°C
● Solder temperature		230°C for 3 sec.
● Vibration		10Hz-55Hz-10Hz for 6 Hrs.
● Salt spray		35°C, 5% for 24hours
● Reflow soldering heat for SMT type (reference only)		

■ PART NUMBERING SYSTEM

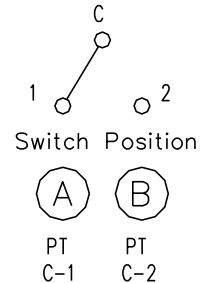


■ DIMENSIONS AND CIRCUITRY UNIT:mm(inch)

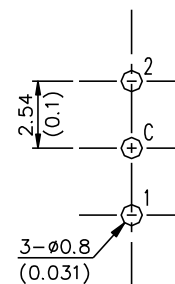
ESP10XX SERIES



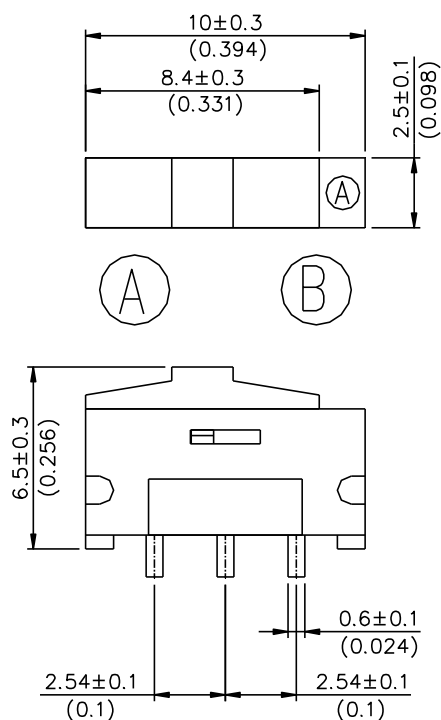
CIRCUIT DIAGRAM



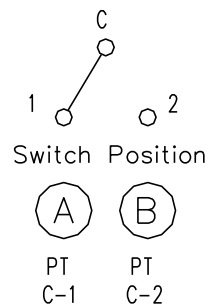
P.C.B. LAYOUT



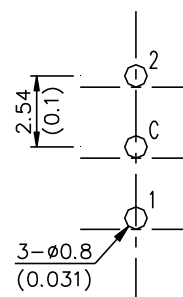
ESP20XX SERIES



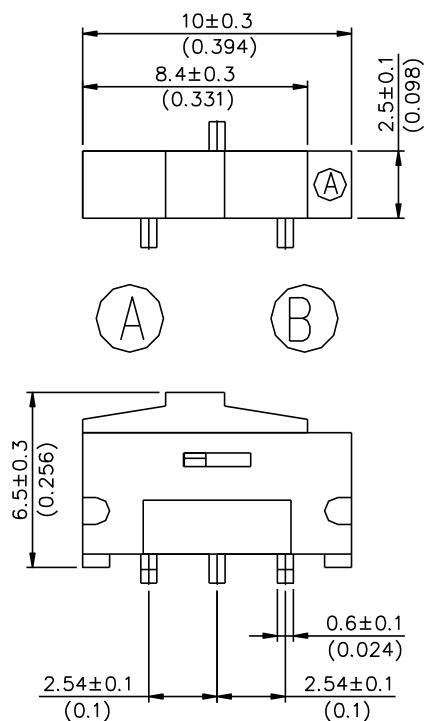
CIRCUIT DIAGRAM



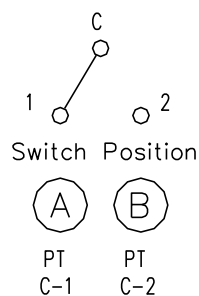
P.C.B. LAYOUT



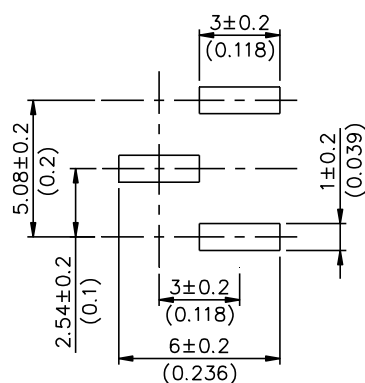
ESP30XX SERIES



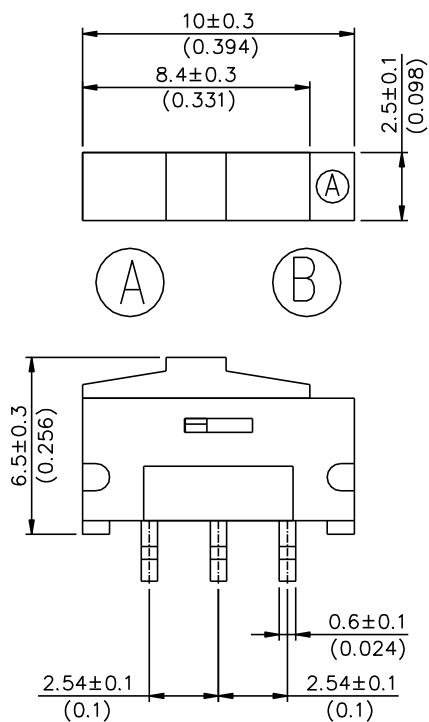
CIRCUIT DIAGRAM



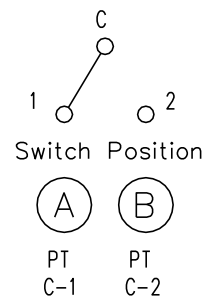
P.C.B. LAYOUT



ESP40XX SERIES



CIRCUIT DIAGRAM



P.C.B. LAYOUT

