

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
- Gold plated contacts to ensure low contact resistance and long mechanical life, suitable for signal switching and communication equipments
- RoHS Compliant
- Halogen Free series available

■ APPLICATIONS

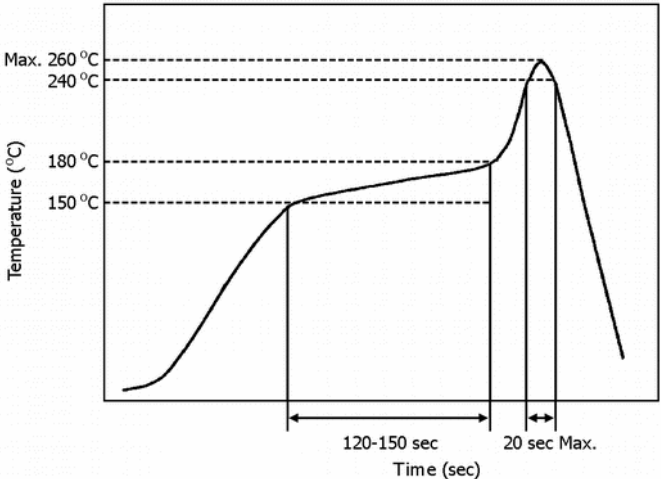
- Measuring point changeover switches
- Service switch
- Controls for consumer devices

■ SPECIFICATIONS

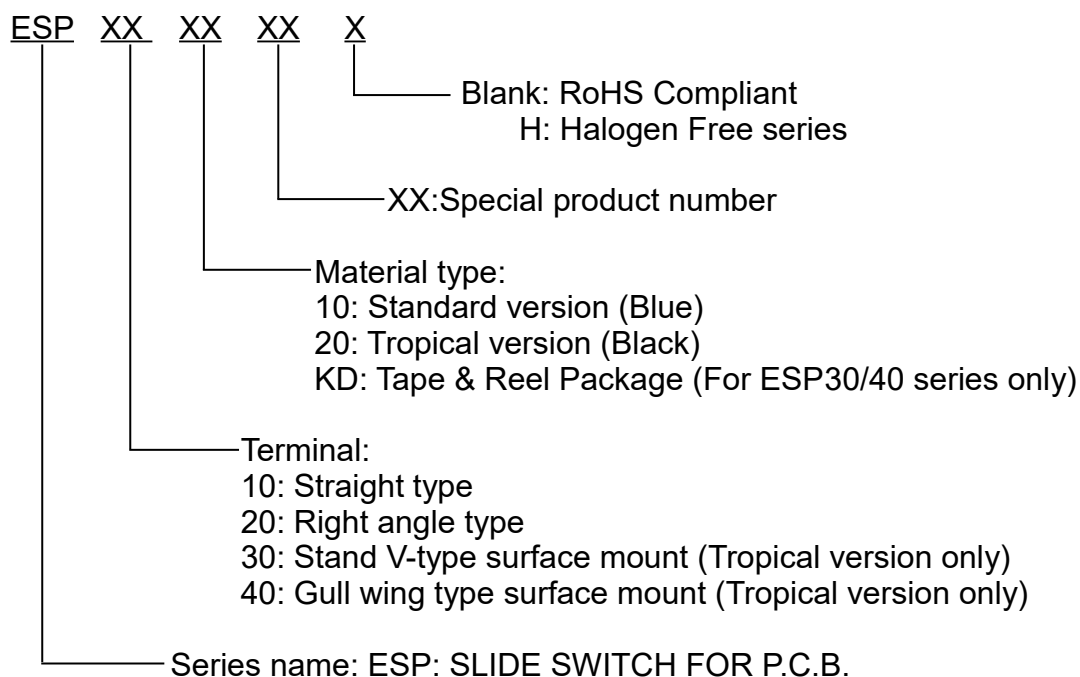
1. ELECTRICAL CHARACTERISTICS

● Contact rating	0.2A, 24VDC; 0.5A, 12VDC
● Contact resistance	initial: 50mΩ Max
	after life test: 200mΩ Max
● Dielectric strength	500VAC for 60 s
● Capacitance	1.5pF Max
● Insulation resistance	1000MΩ Min at 100VDC
● Mechanical life	2000 operations

2. GENERAL CHARACTERISTICS

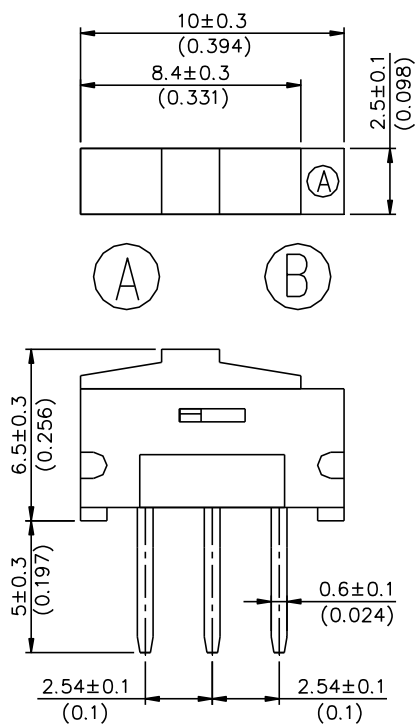
● Temperature range	operating	-40°C to +85°C
	storage	-40°C to +85°C
● Solder temperature		230°C for 3 s
● Vibration		10Hz-55Hz-10Hz for 6 hrs
● Salt spray		35°C, 5% for 24 hrs
● Reflow soldering heat for SMT type (reference only)		 The graph shows a temperature profile for reflow soldering. The y-axis is Temperature (°C) with markers at 150, 180, 240, and Max. 260. The x-axis is Time (sec) with markers for 120-150 sec and 20 sec Max. The curve starts at 150°C, rises to 180°C, then to a peak of 240°C, and finally drops. The time at 180°C is 120-150 sec, and the time at the peak is 20 sec Max.

■ PART NUMBERING SYSTEM

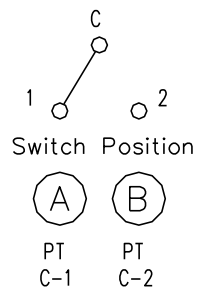


■ DIMENSIONS AND CIRCUITRY UNIT:mm(inch)

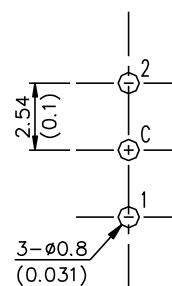
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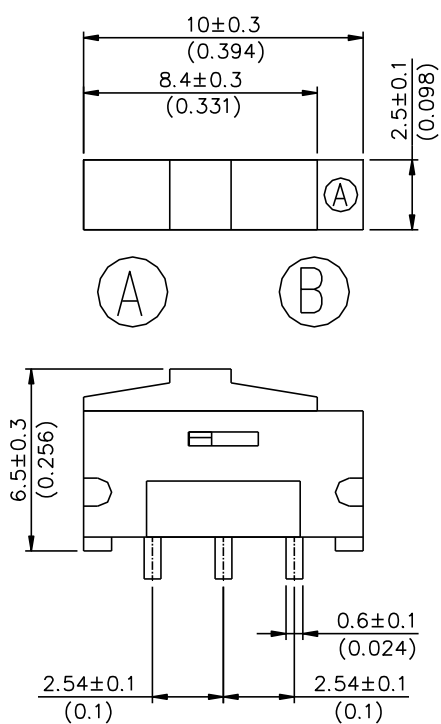
CIRCUIT DIAGRAM



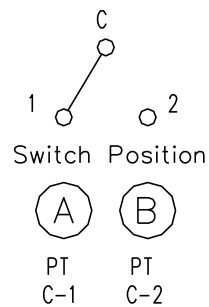
P.C.B. LAYOUT



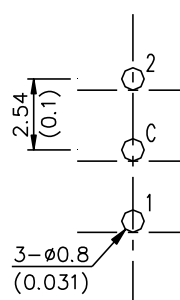
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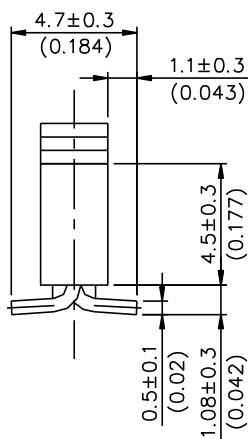
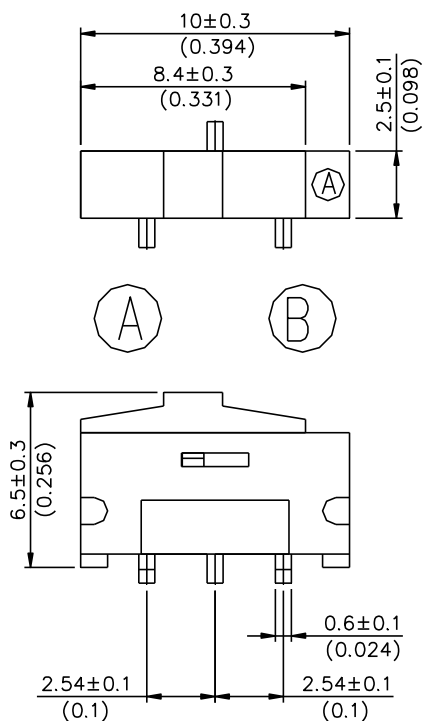
CIRCUIT DIAGRAM



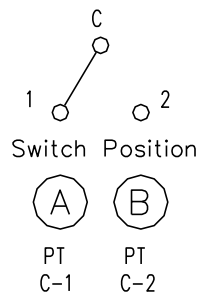
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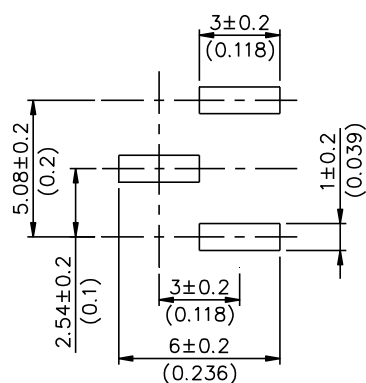
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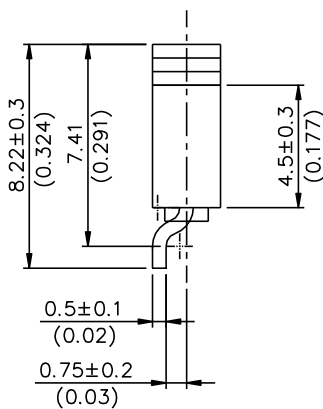
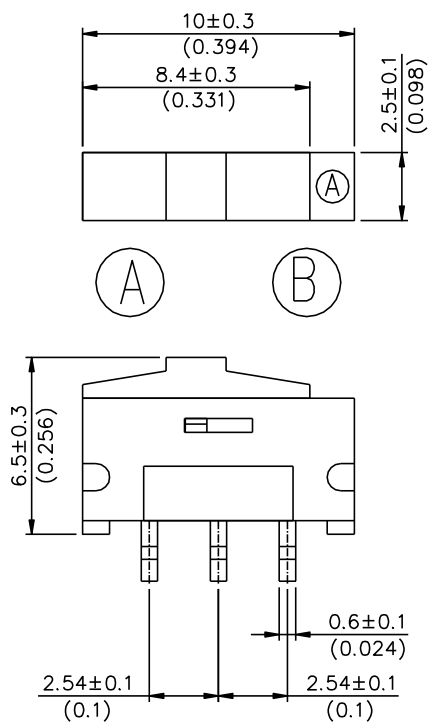
CIRCUIT DIAGRAM



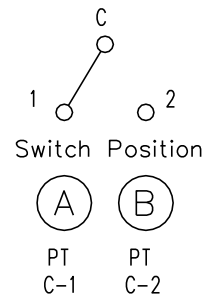
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CIRCUIT DIAGRAM



P.C.B. LAYOUT

