

AUTO INSERTING AND SMT TYPE ESP-4PDT SERIES



FEATURES

- Molded 0.3" integrated circuit packing outline allowing automatic insertion
- Smaller size makes better heat convection during PC board reflow wave soldering
- Top tape sealed to withstand reflow wave soldering, board washing
- Housing materials are UL 94V-0 grade fire retardant plastics
- Gold plated contact to ensure low contact resistance and tin plated terminal to prevent contamination during soldering
- RoHS Compliant
- Halogen Free series available

APPLICATIONS

- Ideal as function and band selector switch in radio-cassette recorder, office equipment, TV sets, VCR, etc.

OPTIONS

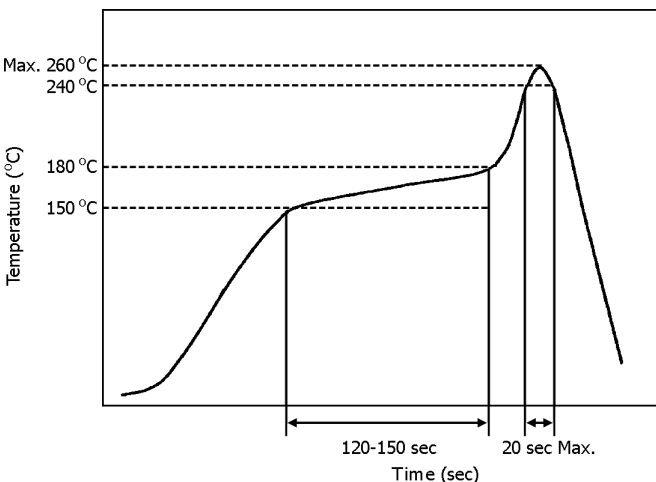
- Three kinds of pitch (7.62 mm and 8.50 mm) and SMT (9.6mm) available

SPECIFICATIONS

1. ELECTRICAL

● Contact Rating	Switching: 25mA, 24VDC
	Non-Switching: 100mA, 50VDC
● Contact Resistance	Initial: 50mΩ Max.
	After life test: 200mΩ Max.
● Insulation Resistance	1000MΩ Min. at 100VDC
● Dielectric Strength	500VDC Min. for 60 seconds
● Capacitance between adjacent switched	5pF Max.

2 MECHANICAL AND ENVIRONMENTAL

● Temperature Rating	Operating: -40°C to +85°C
	Storage: -40°C to +85°C
● Operation force	100g Min. & 1000g Max.
● Mechanical Life	1000 Operations
● Humidity	95%RH, 40°C for 96hours
● Vibration	10Hz-55Hz-10Hz for 6Hrs.
● Solderability	After flux 245±5°C for 5±1seconds
● Resistance to soldering heat (for through hole type)	Solder bath 260±5°C for 5±1seconds
● Reflow soldering heat for SMT type (reference only)	

■ PART NUMBERING SYSTEM

ESP 42 XX XX X

Z: RoHS Compliant

H: Halogen Free series

XX: Special product number

01: Low Profile Actuator and rows spacing 7.62mm

Extended Actuator and rows spacing 8.50mm

02: Surface Mounting type

Material, Actuator and Sealing Options:

L: Low Profile Actuator and rows spacing 8.50mm (Standard)

E: Extended Actuator and rows spacing 7.62mm (Standard)

LT: Top Tape Sealed and Low Profile Actuator

LC: Tape & Reel Package, product without Top Tape Sealed

LD: Tape & Reel Package, product with Top Tape Sealed

Contact form:

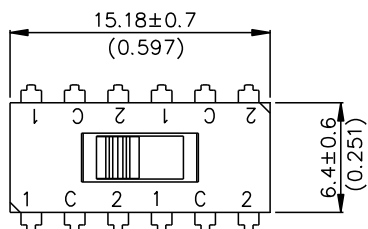
42: 4PDT

Series name:

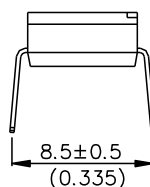
ESP: Slide switch for P.C.B.

■ DIMENSIONS AND CIRCUITRY UNIT:mm(inch)

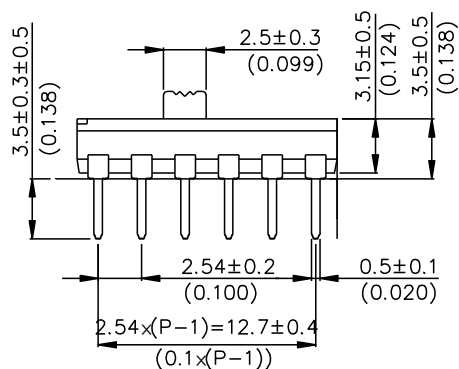
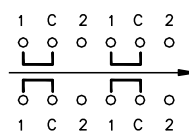
ESP 4PDT SERIES



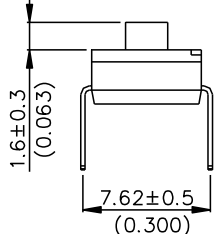
LOW PROFILE ACTUATOR



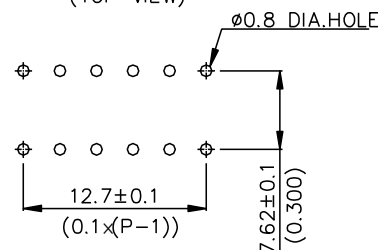
CIRCUIT DIAGRAM



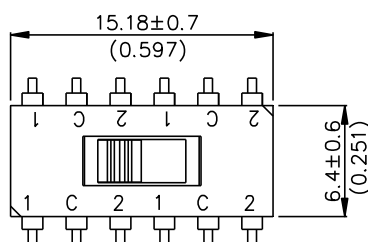
EXTENDED ACTUATOR



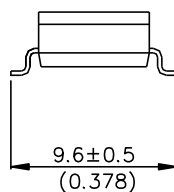
P.C.B. LAYOUT (TOP VIEW)



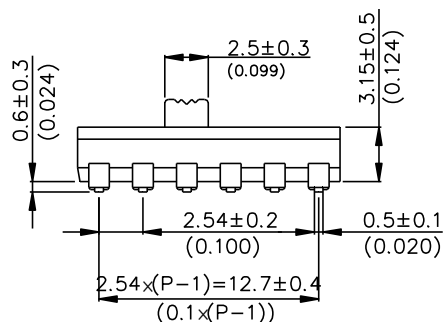
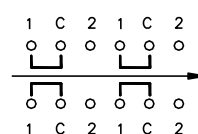
ESP 4PDT SMT SERIES



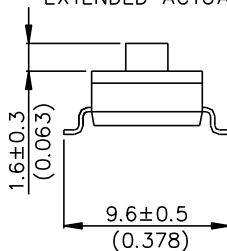
LOW PROFILE ACTUATOR



CIRCUIT DIAGRAM



EXTENDED ACTUATOR



P.C.B. LAYOUT (TOP VIEW)

