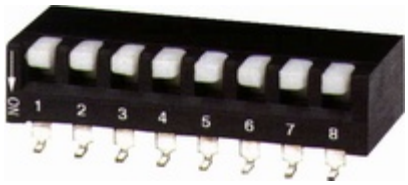
EPA SERIES
EDGE ACTUATED SMT TYPE



■ FEATURES

- SMT edge actuated type is (SMT Piano Type) easy setting on closely racked PCB
- Tactile response is performed directly by larger contact pressure to ensure stable contact
- All UL 94V-0 fire retardant plastics used
- Bottom epoxy sealed to ensures free of flux immersion during wave soldering
- Contact wiping on make and break
- Gold plated contacts to ensure low contact resistance and long mechanical life
- Ideal for data processing, communication, remote controls and burglar alarm system use, where manual programming is required

■ APPLICATIONS

- Numerical setting for computer terminal equipment
- Price setting for vending machines
- Programming for game machines
- Programming for industrial equipment and measuring instruments

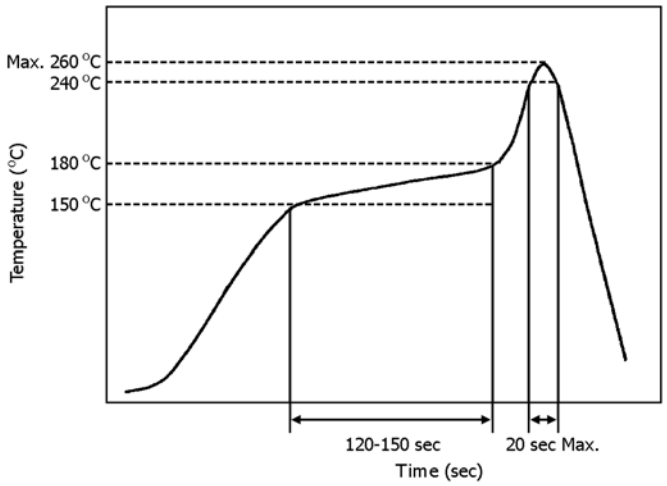
■ SPECIFICATIONS

1.ELECTRICAL

● Contact rating	switching	25mA, 24VDC
	non-switching	100mA
● Contact resistance (After life test)		100mΩ Max.
● Insulation resistance		1000mΩ Min. at 100VDC
● Dielectric strength		500VDC Min. for 60 seconds
● Leakage Current		2mA Max.
● Capacitance between adjacent switches 5pF Max.		

2.MECHANICAL and ENVIRONMENTAL

● Temperature rating	operating	-25℃ to +70℃
	storage	-40℃ to +85℃
● Operation force		800g Max.
● Mechanical life		1000 operations
● Humidity		95% RH, 40℃ for 96Hrs.
● Vibration		10 to 55Hz for 6Hrs.

● Solderability	After flux 230±5℃ for 5±0.5 seconds, 95% coverage
● Reflow soldering heat for SMT type (reference)	

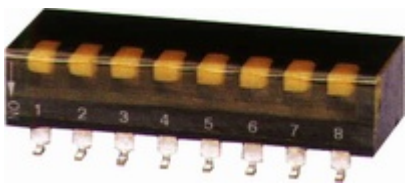
■ PART NUMBERING SYSTEM

EPA 1 04 XX 00 X

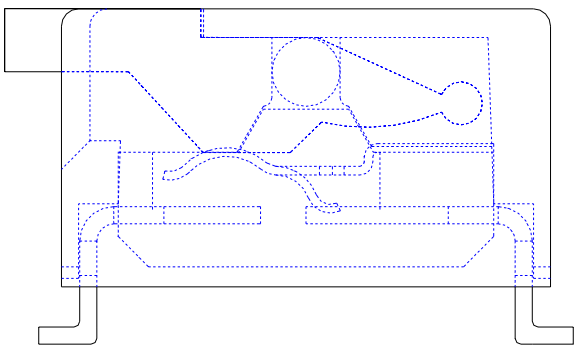
- X: Blank: Standard; Z: RoHS Compliant
- 00: Special product number
- XX: Actuator and ON position: E: Extended Actuator and Top Side "OFF"; L: Low Profile Actuator and Top Side "OFF"; LT: Top Tape Sealed & Low profile Actuator
- 04: Number of Positions: 2,4,6,8,10
- 1: Contact Form: SPST
- EPA: Series Name: EPA: SMT Piano Type

■ OPTIONS

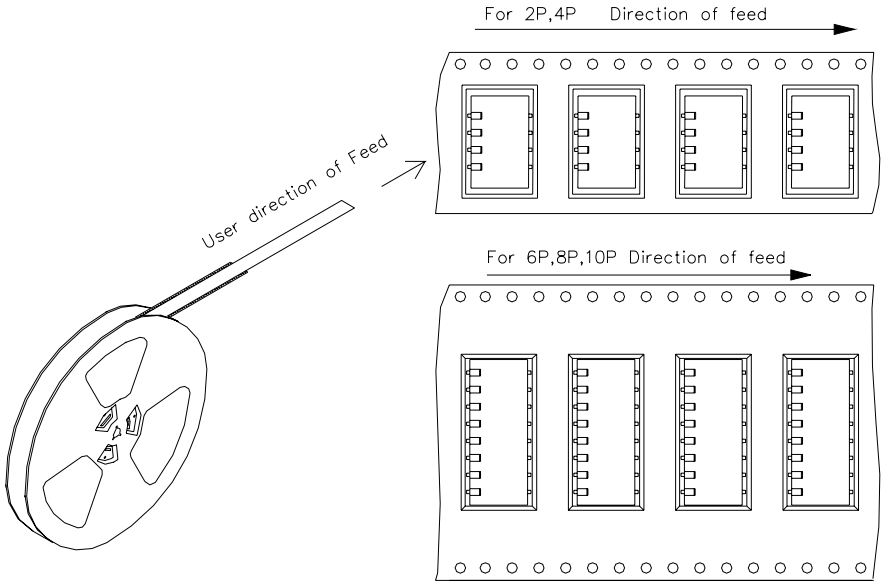
1.Top tape sealed



■ CONSTRUCTION



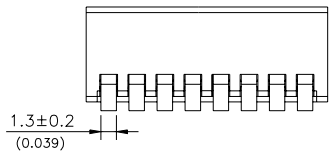
2.Tape & Reel Packaging(per EIA STANDARD)



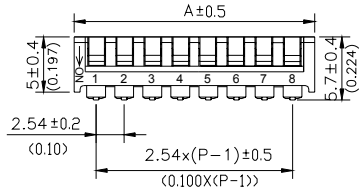
Pole	No. of pcs per reel
2P	700
4P	700
6P	700
8P	700
10P	700

■ DIMENSIONS AND CIRCUITRY

EPA SERIES DIMMENSIONS Unit:mm(inch)

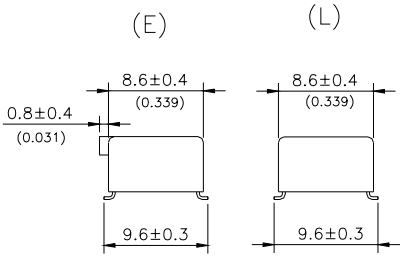


Actuator top side "OFF"

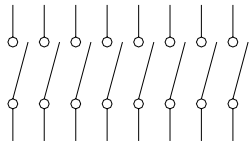


DIMENSION A

Pole	2	4	6	8	10
A	6.5 (0.265)	11.6 (0.457)	16.7 (0.657)	21.7 (0.854)	26.7 (1.050)



CIRCUIT DIAGRAM



P.C.B. LAY OUT
(TOP VIEW)