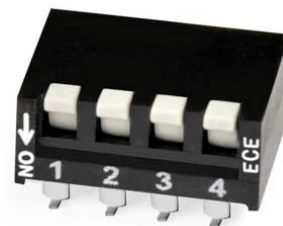




## EPA SERIES EDGE ACTUATED SMT TYPE



### ■ 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.
- Contact wiping on make and break.
- Gold plated contacts to ensure low contact resistance and long mechanical life.
- Twin contacts designed to ensure stable contact.
- Smaller size makes better heat convection during PC board reflow soldering.
- RoHS Compliant

### ■ 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

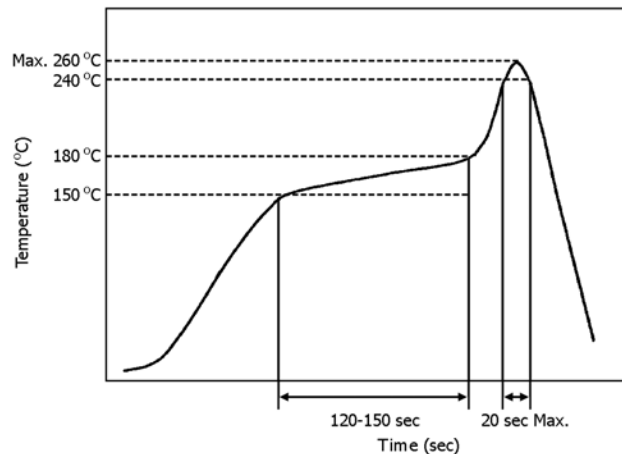
● Contact rating	switching	25mA, 24VDC
	non-switching	100mA
● Contact resistance (After life test)		100mΩ Max.
● Insulation resistance		1000mΩ Min. at 100VDC
● Dielectric strength		500VDC Min. for 60 seconds
● Leakage Current		2mA Max.
● Capacitance between adjacent switches 5pF Max.		

#### 2.MECHANICAL and ENVIRONMENTAL

● Temperature rating	operating	-25°C to +70°C
	storage	-40°C to +85°C
● Operation force	800g Max.	
● Mechanical life	1000 operations	
● Humidity	95% RH, 40°C for 96Hrs.	
● Vibration	10 to 55Hz for 6Hrs.	
● Solderability	After flux 230±5°C for 5±0.5 seconds, 95% coverage	

- Reflow soldering heat for SMT type (reference only)

240°C for 20 seconds or less, peak temperature  
260°C or less



## ■ PART NUMBERING SYSTEM

EPA 1 04 XX 00 Z

Z: RoHS Compliant

Special product number

Actuator and ON Position:

E: Extended Actuator and Top Side "OFF"

L: Low Profile Actuator and Top Side "OFF"

BE: Extended Actuator and Top Side "ON"

LT: Top Tape Sealed, Low Profile Actuator and Top Side "OFF"

EC: Tape & Reel Package without Top Tape Sealed,  
Extended Actuator and Top Side "OFF"

LC: Tape & Reel Package without Top Tape Sealed,  
Low Profile Actuator and Top Side "OFF"

BEC: Tape & Reel Package without Top Tape Sealed,  
Extended Actuator and Top Side "ON"

LD: Tape & Reel Package with Top Tape Sealed,  
Low Profile Actuator and Top Side "OFF"

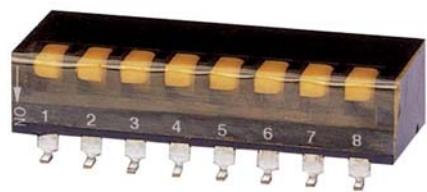
Number of Positions: 2, 3, 4, 5, 6, 8, 10

Contact Form: SPST

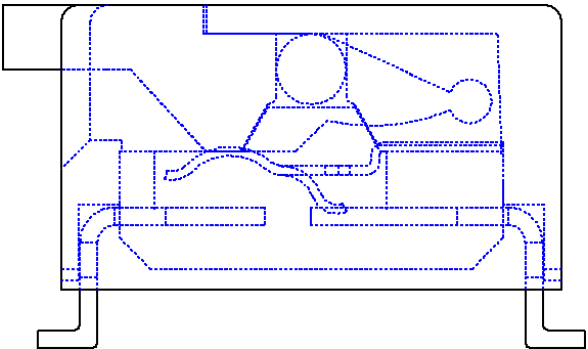
Series Name: EPA: SMT Piano Type

**■ OPTIONS**

1.Top tape sealed



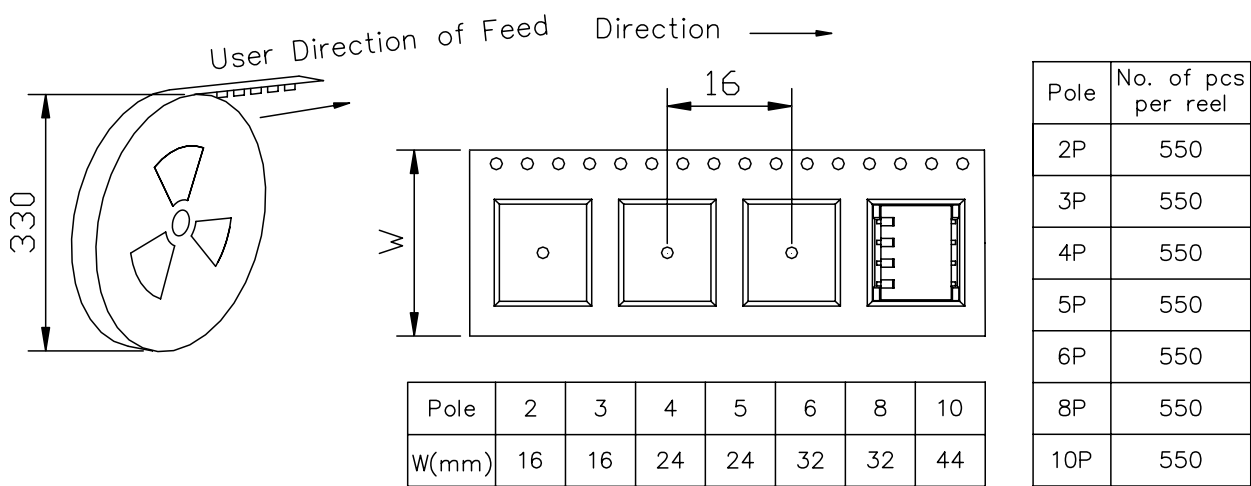
**■ CONSTRUCTION**



**■ PACKAGING**

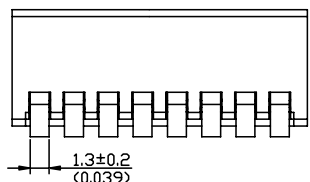
1.Tape & Reel Packaging(per EIA STANDARD)

Tape & Reel Packaging

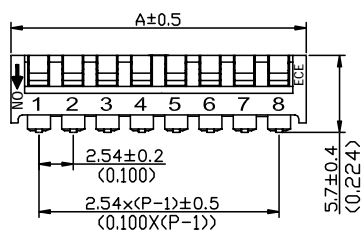


## DIMENSIONS AND CIRCUITRY

### EPA SERIES



Actuator top side "OFF"

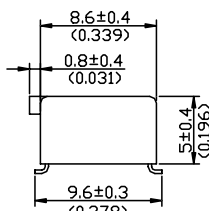


DIMENSION A

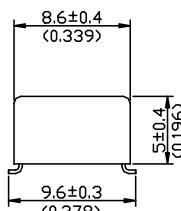
UNIT: mm(inch)

POLE	2	3	4	5	6	8	10
A	6.5 (0.265)	9.0 (0.354)	11.6 (0.457)	14.1 (0.555)	16.7 (0.657)	21.7 (0.854)	26.7 (1.050)

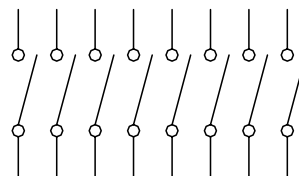
(E)



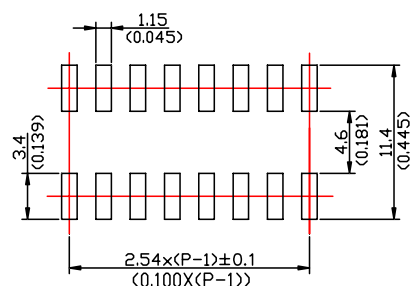
(L)



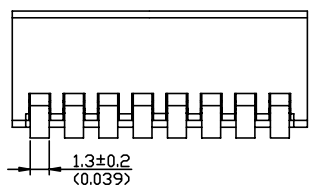
### CIRCUIT DIAGRAM



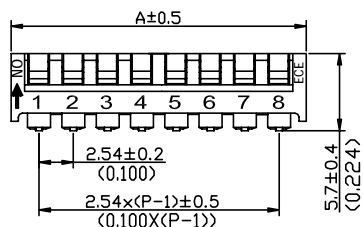
### P.C.B. LAYOUT (TOP VIEW)



### EPA SERIES B TYPE



Actuator top side "ON"

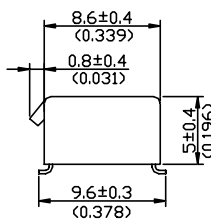


DIMENSION A

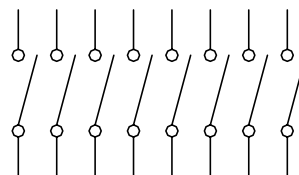
UNIT: mm(inch)

POLE	2	3	4	5	6	8	10
A	6.5 (0.265)	9.0 (0.354)	11.6 (0.457)	14.1 (0.555)	16.7 (0.657)	21.7 (0.854)	26.7 (1.050)

(BE)



### CIRCUIT DIAGRAM



### P.C.B. LAYOUT (TOP VIEW)

