

NEW DPA SERIES

EDGE ACTUATED TYPE

FEATURES

- Edge actuated type is (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.
- Twin contacts designed to ensure stable contact.
- Contact wiping on make and break.
- Gold plated contacts to ensure low contact resistance and long mechanical life.
- Smaller size makes better heat convection during PC board reflow soldering.

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 | 25 mA, 24 VDC |
| Switching | 100 mA |
| Non-switching | 100 mΩ Max. |
| • Contact resistance (After life test) | 1000 MΩ Min. at 100 VDC |
| • Insulation resistance | 500 VDC Min. for 60 seconds |
| • Dielectric strength | 2mA Max. |
| • Leakage current | 5pF Max. |
| • Capacitance between adjacent switches | |

2 MECHANICAL and ENVIRONMENTAL

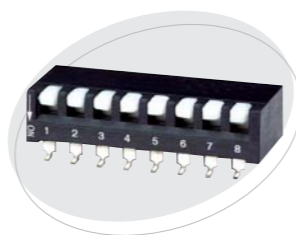
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|---|-----------|--|
| • Temperature rating | Operating | -25°C to +70°C |
| | Storage | -40°C to +85°C |
| • Operation force | | 800g Max. |
| • Mechanical life | | 1000 operations |
| • Humidity | | 95% RH, 40°C for 96 Hrs. |
| • Vibration | | 10 to 55 Hz for 6 Hrs. |
| • Solderability | | After flux 230±5°C for 5±0.5 seconds, 95% coverage |
| • Soldering heat for through hole type | | After 260±5°C for 5±1 seconds shall have no deterioration |
| • Reflow soldering heat for SMT type (reference only) | | 210 °C for 20 seconds or less, peak temperature 230 °C or less |

PART NUMBERING SYSTEM

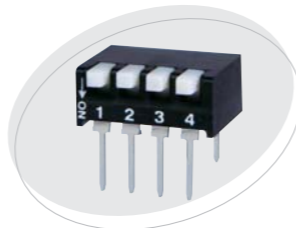
DPA	—	1	08	U	E	A3	*	*	*
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

- | | | |
|---|---|---|
| (1) Series name
DPA: Edge actuated type | (5) Actuator
E: Extended actuator
L: Low profile actuator | (8) Packaging
Blank: Tube packaging
C: Tape & reel packaging
(For SMT type only) |
| (2) Contact form
1: SPST | (6) Terminal
A3: Through hole type and rows spacing 7.62mm
M: SMT type | (9) Options
Blank: Standard
F: RoHS compliance |
| (3) Number of positions
02,04,06,08,10 | (7) Sealing
Blank: Without top tape sealed
T: With top tape sealed
(For low profile actuator only) | |
| (4) On position
U: Top side "OFF"
D: Top side "ON"
(Please enquire in advance) | | |

DPA-M TYPE



DPA-A3 TYPE



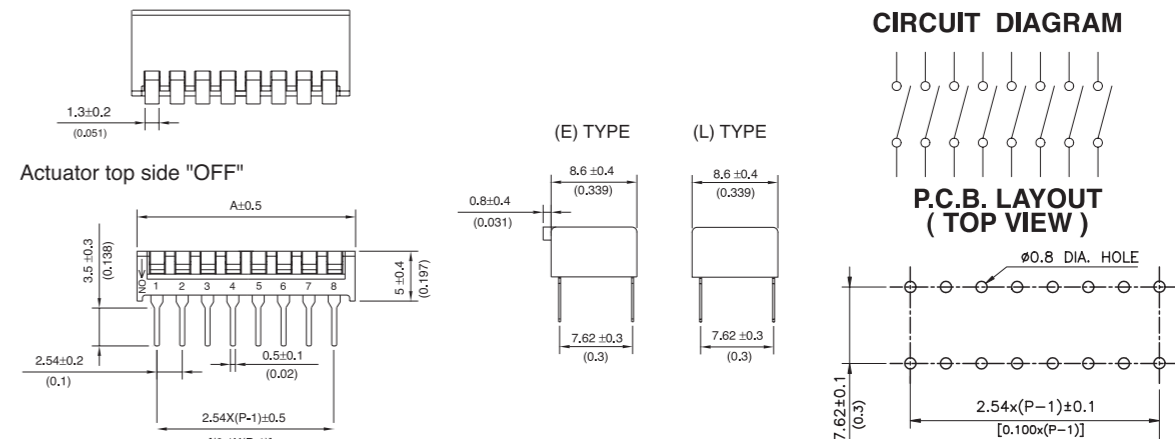
DPA SERIES

DIMENSIONS Unit:mm(inch)

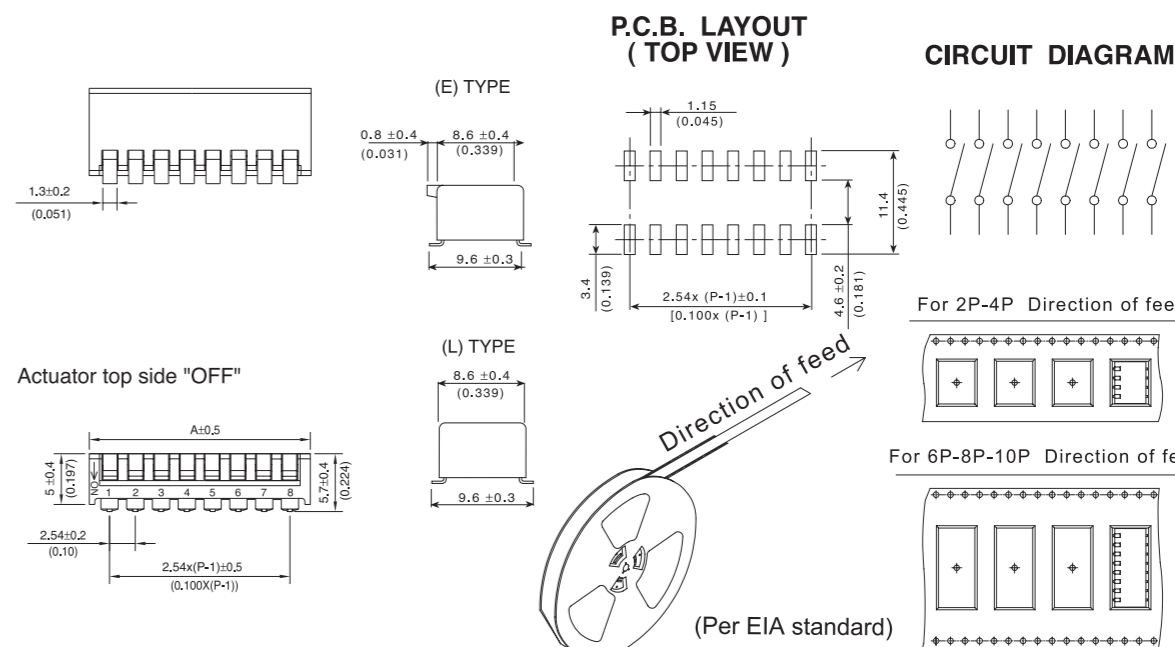
DIMENSION A

Positions	02	04	06	08	10
A	6.5 (0.256)	11.6 (0.457)	16.7 (0.657)	21.7 (0.854)	26.7 (1.051)

THROUGH HOLE TYPE
A3 TERMINAL



SURFACE MOUNTING TYPE
M TERMINAL



PACKAGING Unit:Tube/Reel

Packaging	Positions	02	04	06	08	10
	No. of pcs. per unit					
Tube packaging	Without top tape sealed	80	44	31	23	19
	With top tape sealed	78	44	31	23	19
Reel packaging		700	700	700	700	700