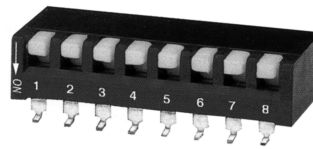


DPA SERIES

STANDARD PROFILE PIANO "SMT" TYPE



◆ Features

- SMT edge actuated type is (SMT Piano Type) easy setting on closely raked 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 and tin plated in solder area (**tin/gold**).
- 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

1-1 Contact Rating	
- switching	: 25 mA, 24 VDC
- non-switching	: 100 mA
1-2 Contact Resistance	
- initial	: 50 mΩ max.
- after life test	: 100 mΩ max.
1-3 Insulation Resistance	: 1000 MΩ min. at 100 VDC
1-4 Dielectric Strength	: 500 VDC for 1 min.
1-5 Capacitance between adjacent switches	: 5pF max.

2. MECHANICAL and ENVIRONMENTAL

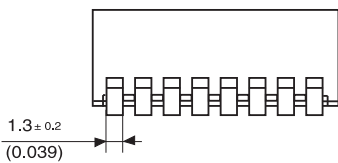
2-1 Temperature rating	
- operating	: -25°C to +70°C
- storage	: -40°C to +85°C
2-2 Operating force	: 800 g max.
2-3 Mechanical life	: 1000 operations
2-4 Humidity	: 95% RH, 40°C for 96 hours
2-5 Vibration	: 10 Hz – 50 Hz – 10 Hz for 6 hours
2-6 Solderability	: 95% coverage after 230°C +/- 5 for 5 sec.
2-7 Soldering temperature	: 210°C for 20 sec. 230°C peak for 3 sec.

◆ Dimensions and circuitry

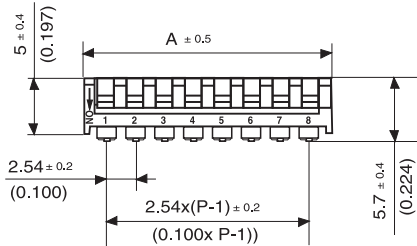
DIMENSION A

Position	2	4	6	8	10
A	6.5 (0.256)	11.6 (0.457)	16.7 (0.657)	21.7 (0.854)	26.7 (1.051)

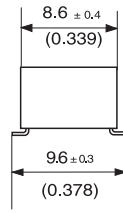
Unit: mm (inch)



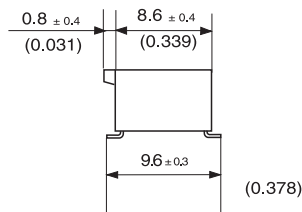
Actuator top side "OFF"



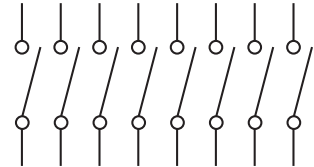
(L) TYPE



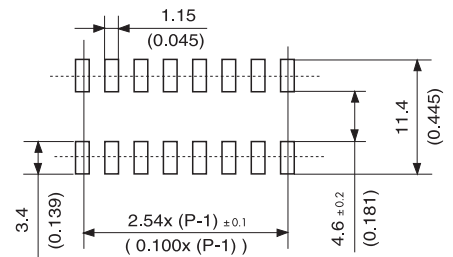
(E) TYPE



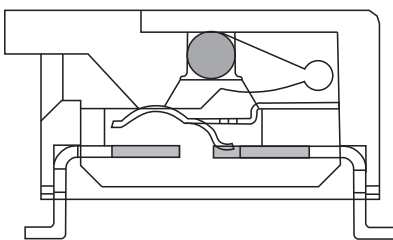
◆ Circuit Diagram



◆ P.C.B. LAYOUT

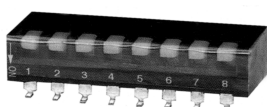


◆ Construction



◆ Options

1. Top tape sealed
2. Toape & Reel Packaging



◆ Part Numbering System

DPA - 1 04 - XX 00 Z

