

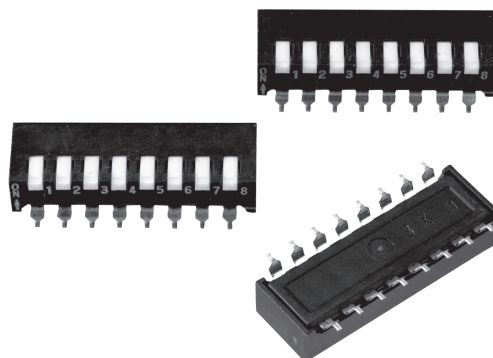
# DPM SERIES

LOW PROFILE PIANO "SMT" TYPE



## ◆ Features

- Double contact system for high reliability.
- Vapor phase and IR-reflow solderable.
- Washable type is fully sealed.
- Top tape sealing for permeability during washing.
- Insert molding of terminals improves flux proofness.
- Gold plated in contact area and tin plated in solder area (tin/g)



## ◆ Specifications

### 1. ELECTRICAL

- 1-1 Contact Rating
- switching : 25 mA, 24 VDC
  - non-switching : 100 mA, 50 VDC
- 1-2 Contact Resistance
- initial : 100 mΩ max.
  - after life test : 200 mΩ max.
- 1-3 Insulation Resistance : 100 MΩ min. at 500 VDC for 1 min.
- 1-4 Dielectric Strength : 500 VAC for 1 min.
- 1-5 Capacitance between adjacent switches : 5pF max.

### 2. MECHANICAL and ENVIRONMENTAL

- 2-1 Temperature rating
- operating : -20°C to +85°C
  - storage : -40°C to +85°C
- 2-2 Operating force : 800 gf max.
- 2-3 Mechanical life : 200 operations
- 2-4 Vibration : 10 Hz - 55 Hz - 10 Hz for 2 hours
- 2-5 Solderability : >75% coverage after 245°C +/- 3°C for 5 sec.
- 2-6 Soldering temperature : 260°C +0/-5°C for 5~10 sec.,

## ◆ Dimensions and circuitry

### DIMENSION A

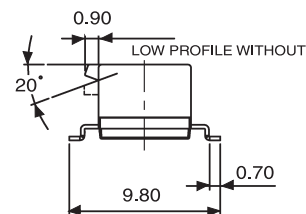
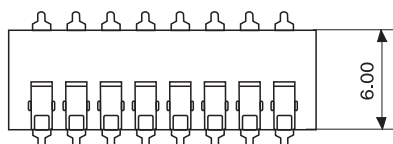
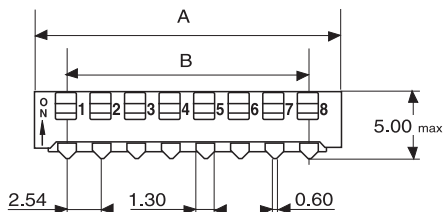
Position	2	4	6	8	10
A	4.98 (0.196)	10.06 (0.400)	15.14 (0.596)	20.22 (0.796)	25.30 (0.996)

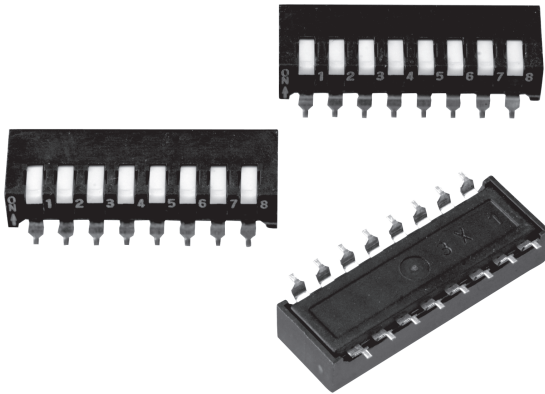
Unit: mm (inch)

### DIMENSION B

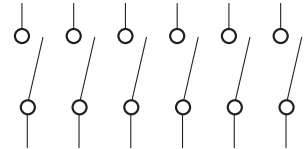
Position	2	4	6	8	10
B	2.54 (0.100)	7.62 (0.300)	12.70 (0.500)	17.78 (0.700)	22.86 (0.900)

Unit: mm (inch)

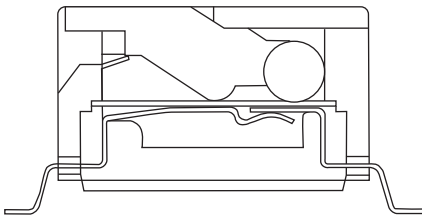




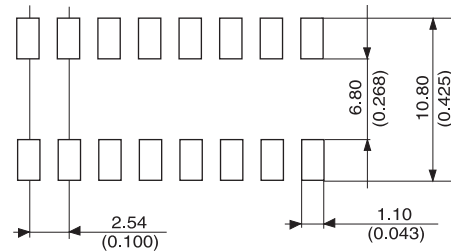
### ◆ Circuit diagram



### ◆ Construction



### ◆ P.C.B SMT Pad layout



### ◆ Options

- Tape & Reel packing option
- Washable fully sealed type adapted to all washing operations
- Long and short actuators

### ◆ Part Numbering System

**DPM - 1 XX - X X X Z**

