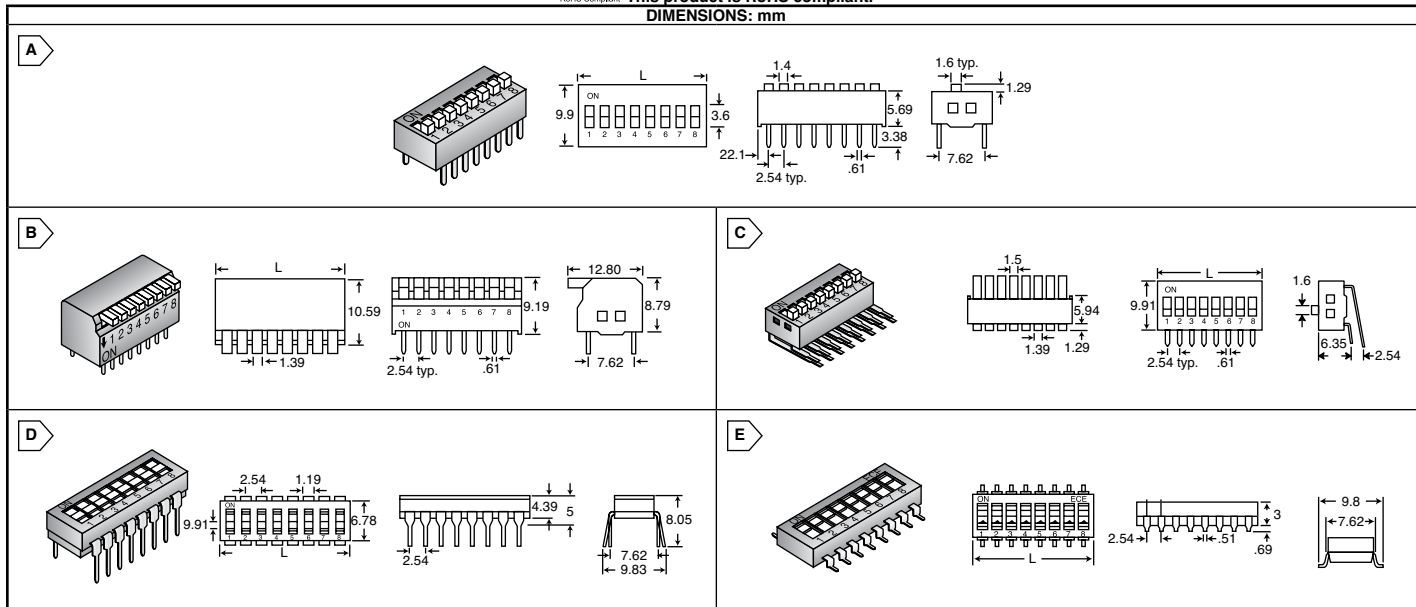


# DIP Switches

RoHS Compliant This product is RoHS compliant.  
DIMENSIONS: mm



## Mountain Switch STANDARD DIP SWITCHES

### Mechanical Specifications:

- Mechanical Life: 10,000 operation min. per switch
- Operation Force: less than 800g

### Electrical Specifications:

- Rating: Non-switching: 100mA/50VDC; Switching: 50mA/24VDC
- Electrical Life: 5000 operation min.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Fig. | No. of Positions | Type | Length (mm) | Price Each |      |      |      |      |
|------------------|------|------------------|------|-------------|------------|------|------|------|------|
|                  |      |                  |      |             | 1          | 50   | 100  | 500  | 1000 |
| 106-1202-EV      | A    | 2                | SPST | 6.07        | 1.08       | .99  | .94  | .89  | .76  |
| 106-1204-EV      | A    | 4                | SPST | 11.15       | 1.13       | 1.09 | 1.02 | .96  | .82  |
| 106-1206-EV      | A    | 6                | SPST | 16.23       | 1.22       | 1.12 | 1.07 | 1.02 | .91  |
| 106-1208-EV      | A    | 8                | SPST | 21.31       | 1.31       | 1.16 | 1.10 | 1.05 | .93  |

## Mountain Switch SIDE ACTUATED DIP SWITCHES

### Mechanical Specifications:

- Mechanical Life: 5,000 operation min. per switch
- Operation Force: 400g ±200g

### Electrical Specifications:

- Rating: Non-switching: 100mA/50VDC; Switching: 50mA/24VDC
- Electrical Life: 2000 operation min.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Fig. | No. of Positions | Type | Length (mm) | Price Each |      |      |      |      |
|------------------|------|------------------|------|-------------|------------|------|------|------|------|
|                  |      |                  |      |             | 1          | 50   | 100  | 500  | 1000 |
| 106-1234-EV      | B    | 4                | SPST | 11.33       | 1.49       | 1.37 | 1.30 | 1.24 | 1.08 |
| 106-1238-EV      | B    | 8                | SPST | 21.49       | 1.70       | 1.53 | 1.46 | 1.40 | 1.24 |

## Mountain Switch RIGHT ANGLE DIP SWITCHES

### Mechanical Specifications:

- Mechanical Life: 10,000 operations
- Operation Force: less than 800g

### Electrical Specifications:

- Rating: Non-switching: 100mA/50VDC; Switching: 50mA/24VDC
- Electrical Life: 5,000 operation min.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Fig. | No. of Positions | Type | Length (mm) | Price Each |      |      |      |      |
|------------------|------|------------------|------|-------------|------------|------|------|------|------|
|                  |      |                  |      |             | 1          | 50   | 100  | 500  | 1000 |
| 106-1254-EV      | C    | 4                | SPST | 11.15       | 1.75       | 1.63 | 1.52 | 1.38 | 1.18 |
| 106-1258-EV      | C    | 8                | SPST | 21.31       | 2.16       | 1.80 | 1.64 | 1.49 | 1.32 |

## Mountain Switch MACHINE INSERTABLE ULTRA-LOW PROFILE DIP SWITCHES

### Features:

- Splay terminals allow for automatic insertion by IC insertion machine
- Recessed actuator for low profile
- Double contact offers high reliability
- Insert molding of terminals and ultra-sonic welding improve flux resistance

### Mechanical Specifications:

- Mechanical Life: 5,000 operation per switch
- Operation Force: less than 800g
- Stroke: 1.0mm
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C

### Electrical Specifications:

- Electrical Life: 2000 operation
- Rating: Non-switching: 100mA/50VDC; Switching: 50mA/24VDC
- Contact Resistance: 30mΩ max. initial; 100mΩ max. at end of life
- Insulation Resistance: 100MΩ min. at end of life
- Dielectric Strength: 500VDC / 1 minute
- Capacitance: 5pF max. between adjacent closed switch.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Fig. | No. of Positions | Type | Length (mm) | Price Each |      |      |      |      |
|------------------|------|------------------|------|-------------|------------|------|------|------|------|
|                  |      |                  |      |             | 1          | 50   | 100  | 500  | 1000 |
| 106-1224-EV      | D    | 4                | SPST | 10.11       | 1.40       | 1.27 | 1.16 | 1.06 | .98  |
| 106-1228-EV      | D    | 8                | SPST | 22.35       | 1.49       | 1.35 | 1.29 | 1.24 | 1.01 |

## Mountain Switch SMD DIP SWITCHES

### Features:

- End stackable for standard 0.1" IC pitch
- Molded 0.3" IC packing outline for automatic insertion
- Top tape sealed
- Materials: UL 94V-0 grade fire retardant plastics
- Contacts: gold plated
- Terminal: tin plated

### Electrical Specifications:

- Rating: Non-switching: 100mA/50VDC; Switching: 25mA/24VDC
- Contact Resistance: initial: 50mΩ max. after life test: 100mΩ max.
- Insulation Resistance: 1,000MΩ min. @ 100VDC
- Dielectric Strength: 500VDC min. for 1 minute
- Capacitance between adjacent switches: 5pF max.

### Mechanical and Environmental Specifications:

- Operating Temperature: -25°C to +70°C
- Storage Temperature: -40°C to +85°C
- Operation Force: 800g max.
- Operation Life: 2,000 operations

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Fig. | No. of Positions | Type | Length (mm) | Price Each |      |      |      |      |
|------------------|------|------------------|------|-------------|------------|------|------|------|------|
|                  |      |                  |      |             | 1          | 50   | 100  | 500  | 1000 |
| 106-1242-EV      | E    | 2                | SPST | 6.02        | 1.58       | 1.46 | 1.35 | 1.23 | 1.13 |
| 106-1244-EV      | E    | 4                | SPST | 11.10       | 1.74       | 1.60 | 1.48 | 1.35 | 1.23 |
| 106-1248-EV      | E    | 8                | SPST | 21.26       | 1.86       | 1.71 | 1.63 | 1.56 | 1.44 |

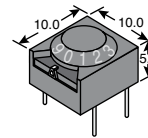
## OMRON A6A SERIES: SUBMINIATURE DIP SWITCHES FOR HIGH-DENSITY PACKAGING

### Specifications:

- Switching capacity: 100mA @ 28VDC
- Contact resistance: 200MΩ max.
- Dielectric strength: 500VAC
- Insulation resistance: 10MΩ min. (@ 250VDC)

### Features:

- A slider lock and rotating PCB system achieve stable contact reliability.
- Sealed construction equivalent to IP64 prevents flux penetration and provides high-contact reliability



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Omron Part No. | Output Code Type        | Number of Positions | Type            | Shaft Dimensions (mm) | Price Each |      |      |      |
|------------------|----------------|-------------------------|---------------------|-----------------|-----------------------|------------|------|------|------|
|                  |                |                         |                     |                 |                       | 1          | 25   | 100  |      |
| 653-A6A-10R      | A6A-10R        | BCD 1-2-4-8             | 10                  | Standard (cone) | - - -                 | 6.28       | 5.64 | 5.02 | 4.51 |
| 653-A6A-10RW     | A6A-10RW       | BCD 1-2-4-8             | 10                  | Thumbwheel      | 7.3                   | 7.95       | 7.16 | 6.36 | 5.72 |
| 653-A6A-10CW     | A6A-10CW       | BCD 1-2-4-8 complement  | 10                  | Thumbwheel      | 7.3                   | 7.70       | 7.00 | 6.41 | 5.92 |
| 653-A6A-16R      | A6A-16R        | BCD Hexidecimal 1-2-4-8 | 16                  | Standard (cone) | - - -                 | 6.62       | 5.95 | 5.28 | 4.76 |
| 653-A6A-16RS     | A6A-16RS       | BCD Hexidecimal 1-2-4-8 | 16                  | Extended Shaft  | 7.3                   | 6.77       | 6.09 | 5.41 | 4.87 |