

## SMT SERIES - MINIATURE SNAP ACTION SWITCHES



### Features and Advantages:

- Long service life: > 5,000,000 cycles. Ideal for high reliability applications
- Subminiature size: 8.6mm (L) x 4.8mm (W) x 3.0mm (H)
- Available in SMT, PCB Pin (straight and right angle) termination options
- Available in different current ratings (0.1A, 5A, 10A) and operating forces
- RoHS and Reach Compliant

### Applications

- Gaming devices
- Appliances
- Vending machines
- Test equipments

### Specifications:

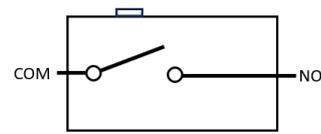
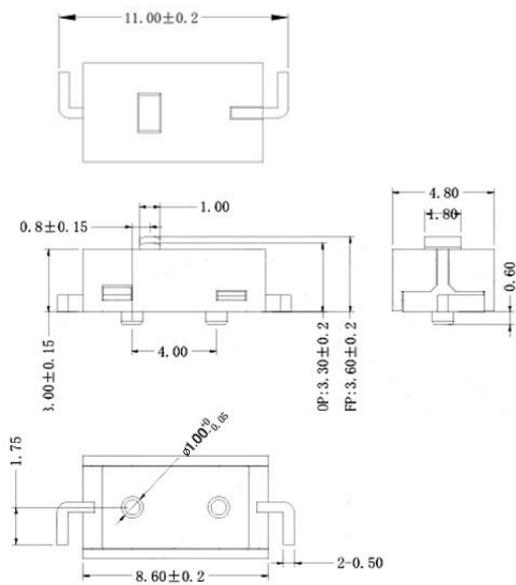
|                                     |   |
|-------------------------------------|---|
| Contact Rating and Material:        | 0.1A @ 30V DC (Silver alloy)<br>0.5A @ 15V DC (Gold plated)   |
| Contact size:                       | Ø0.5mm  |
| Electrical Life:                    | 5,000,000 cycles (0.1A)<br>10,000 cycles (0.5A)   |
| Mechanical Life:                    | UP to 5,000,000 cycles  |
| Contact Resistance (initial value): | 100mΩ Max   |
| Insulation Resistance:              | >100MΩ (500V DC)  |
| Diaelectric Strength:               | 600 VAC 50/60Hz for 60 seconds (between terminal)<br>1000V VAC 50/60Hz for 60 seconds (between terminal and plastic casing) |
| Maximum Operating Frequency:        | Mechanical: 60/min<br>Electrical: 20/min  |
| Operating Temperature:              | -25°C to 85°C (Below 60%RH)   |
| IP Rating:                          | IP40  |
| Weight:                             | 0.3g  |

### Part Number Coding:

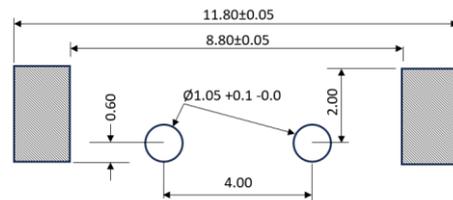
| SERIES | CURRENT          | ACTUATOR       | TERMINATION | OPERATING FORCE                 | BUTTON COLOR | CONTACTS                        |
|--------|------------------|----------------|-------------|---------------------------------|--------------|---------------------------------|
| SMT    | A<br>B           | 00             | See Chart   | 60<br>70<br>110                 | W            | S<br>G                          |
|        | A=0.1A<br>B=0.5A | 00=Button only |             | 60=60gf<br>70=70gf<br>110=110gf | W=WHITE      | S=SILVER ALLOY<br>G=GOLD PLATED |

## SMT SERIES - MINIATURE SNAP ACTION SWITCHES

### Dimensional Drawing:



Schematic - SPST



Mounting Holes (SMT)



Mounting Holes (DIP)

### Termination Options:

**S SMT**

F.P. =  $3.6 \pm 0.2$   
 O.P. =  $3.3 \pm 0.2$   
 O.F.: 120gf max  
 R.F.: 15gf min

**P PCB Pin**

F.P. =  $3.6 \pm 0.2$   
 O.P. =  $3.3 \pm 0.2$   
 O.F.: 120gf max  
 R.F.: 15gf min

**L PCB Pin - Left**

F.P. =  $3.6 \pm 0.2$   
 O.P. =  $3.3 \pm 0.2$   
 O.F.: 120gf max  
 R.F.: 15gf min

**R PCB Pin - Right**

F.P. =  $3.6 \pm 0.2$   
 O.P. =  $3.3 \pm 0.2$   
 O.F.: 120gf max  
 R.F.: 15gf min

Notes:

1. All dimensions in mm.
2. F.P.=free position, O.P.=operating position, O.F.=operating force, R.F.=return force
3. Do not exceed 350°C solder temperature. Solder within 3s to avoid damaging the components. Do not exert external force within 1 min after soldering.
4. Specifications subject to change without notice.