

# PUSH switch



## TSPB type

## TSPB10 Series



(size : 12.0×12.0×9.4)

T  
S  
P

### ■ Features

Self Lock Type

### ■ Applications

The flashlight button switch.

### ■ Main Specifications

|                       |                         |
|-----------------------|-------------------------|
| Rating                | 0.5A 50V AC             |
| Stroke                | FULL 1.5mm / Lock 1mm   |
| Contact Resistance    | 100mΩ Max               |
| Operating temperature | -20°C~70°C (45%~85% RH) |
| Operating Force       | 750±100gf               |
| Operating Life(Cycle) | 50,000                  |

### ■ Products Line

TSPB10□- □SSPA - □

(Products No.) (Terminal Type) (Height)

| Products No.    | O/D        | Terminal Num | Guide Boss | Drawing No |
|-----------------|------------|--------------|------------|------------|
| TSPB101-ASSPA   | Vertical   | 2            | With-out   | 1          |
| TSPB102-ASSPA   | Vertical   | 2            | With-out   | 2          |
| TSPB103-ASSPA-□ | Vertical   | 3            | With-out   | 3          |
| TSPB104-BSSPA-□ | Horizontal | 3            | With-out   | 4          |
| TSPB105-ASSPA   | Vertical   | 3            | With-out   | 5          |
| TSPB106-ASSPA   | Vertical   | 3            | With-out   | 6          |
| TSPB107-ASSPA   | Vertical   | 4            | With       | 7          |
| TSPB108-ASSPA   | Vertical   | 5            | With-out   | 8          |

#### TSPB103-ASSPA-□

| Height □ |   |
|----------|---|
| 6.8mm    | A |
| 8.4mm    | B |

#### TSPB104-BSSPA-□

| Height □ |   |
|----------|---|
| 18.2mm   | A |
| 21.0mm   | B |

■ Dimensions

TSPB10□-□SSPA-□

| No. | 3D Style        | Dimension Type (Unit : mm) | PCB pattern dimension<br>Circuit Diagram  |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|-----|-----------------|----------------------------|---|--------|--------|-------|-------|-------|-------|-------|---|--|--|--|--|--|--|---|--|--|--|--|--|--|---|--|--|--|--|--|--|
| 1   | TSPB101-ASSPA   |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|     |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| 2   | TSPB102-ASSPA   |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|     |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| 3   | TSPB103-ASSPA-□ |                            | <table border="1" data-bbox="1098 1496 1366 1594"> <thead> <tr> <th>TE No.</th> <th>Stroke</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> </tr> </thead> <tbody> <tr> <td>①</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>②</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>③</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | TE No. | Stroke | 0.0mm | 1.0mm | 0.0mm | 1.0mm | 0.0mm | ① |  |  |  |  |  |  | ② |  |  |  |  |  |  | ③ |  |  |  |  |  |  |
|     | TE No.          | Stroke                     | 0.0mm   | 1.0mm  | 0.0mm  | 1.0mm | 0.0mm |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| ①   |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| ②   |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| ③   |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|     |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| 4   | TSPB104-BSSPA-□ |                            | <table border="1" data-bbox="1098 1953 1366 2051"> <thead> <tr> <th>TE No.</th> <th>Stroke</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> </tr> </thead> <tbody> <tr> <td>①</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>②</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>③</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | TE No. | Stroke | 0.0mm | 1.0mm | 0.0mm | 1.0mm | 0.0mm | ① |  |  |  |  |  |  | ② |  |  |  |  |  |  | ③ |  |  |  |  |  |  |
|     | TE No.          | Stroke                     | 0.0mm   | 1.0mm  | 0.0mm  | 1.0mm | 0.0mm |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| ①   |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| ②   |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| ③   |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|     |                 |                            |   |        |        |       |       |       |       |       |   |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |

T  
S  
P

■ Dimensions

TSPB10□-□SSPA-□

TSP

| No. | 3D Style      | Dimension Type (Unit : mm) | PCB pattern dimension<br>Circuit Diagram  |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
|-----|---------------|----------------------------|---|--------|-------|-------|-------|-------|-------|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|
| 5   | TSPB105-ASSPA |                            | <br><table border="1"> <thead> <tr> <th>Stroke</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> </tr> </thead> <tbody> <tr> <td>①</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>②</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>③</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>   | Stroke | 0.0mm | 1.0mm | 0.0mm | 1.0mm | 0.0mm | ① |  |  |  |  |  | ② |  |  |  |  |  | ③ |  |  |  |  |  |   |  |  |  |  |  |
|     | Stroke        | 0.0mm                      | 1.0mm   | 0.0mm  | 1.0mm | 0.0mm |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ①   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ②   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ③   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| 6   | TSPB106-ASSPA |                            | <br><table border="1"> <thead> <tr> <th>Stroke</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> </tr> </thead> <tbody> <tr> <td>①</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>②</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>③</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>   | Stroke | 0.0mm | 1.0mm | 0.0mm | 1.0mm | 0.0mm | ① |  |  |  |  |  | ② |  |  |  |  |  | ③ |  |  |  |  |  |   |  |  |  |  |  |
|     | Stroke        | 0.0mm                      | 1.0mm   | 0.0mm  | 1.0mm | 0.0mm |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ①   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ②   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ③   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| 7   | TSPB107-ASSPA |                            | <br><table border="1"> <thead> <tr> <th>Stroke</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> </tr> </thead> <tbody> <tr> <td>①</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>②</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>③</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>④</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Stroke | 0.0mm | 1.0mm | 0.0mm | 1.0mm | 0.0mm | ① |  |  |  |  |  | ② |  |  |  |  |  | ③ |  |  |  |  |  | ④ |  |  |  |  |  |
|     | Stroke        | 0.0mm                      | 1.0mm   | 0.0mm  | 1.0mm | 0.0mm |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ①   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ②   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ③   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ④   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| 8   | TSPB108-ASSPA |                            | <br><table border="1"> <thead> <tr> <th>Stroke</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> <th>1.0mm</th> <th>0.0mm</th> </tr> </thead> <tbody> <tr> <td>①</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>②</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>③</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>④</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Stroke | 0.0mm | 1.0mm | 0.0mm | 1.0mm | 0.0mm | ① |  |  |  |  |  | ② |  |  |  |  |  | ③ |  |  |  |  |  | ④ |  |  |  |  |  |
|     | Stroke        | 0.0mm                      | 1.0mm   | 0.0mm  | 1.0mm | 0.0mm |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ①   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ②   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ③   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |
| ④   |               |                            |   |        |       |       |       |       |       |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |