

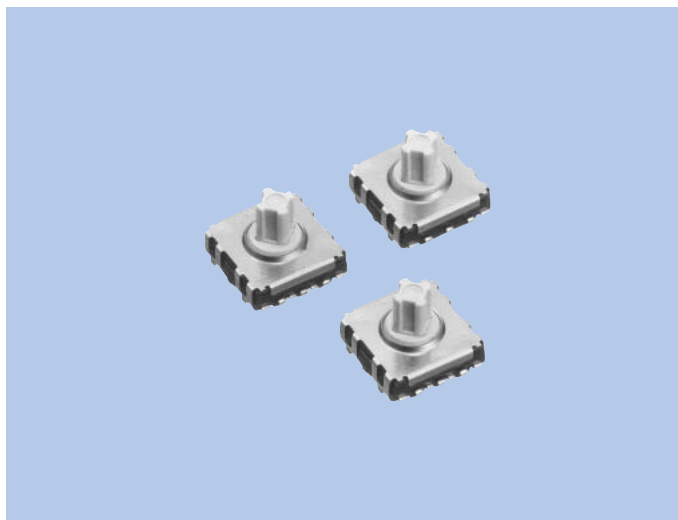
# Multi-Function Tactile Switches

## SOQ Series

Switches

### FEATURES

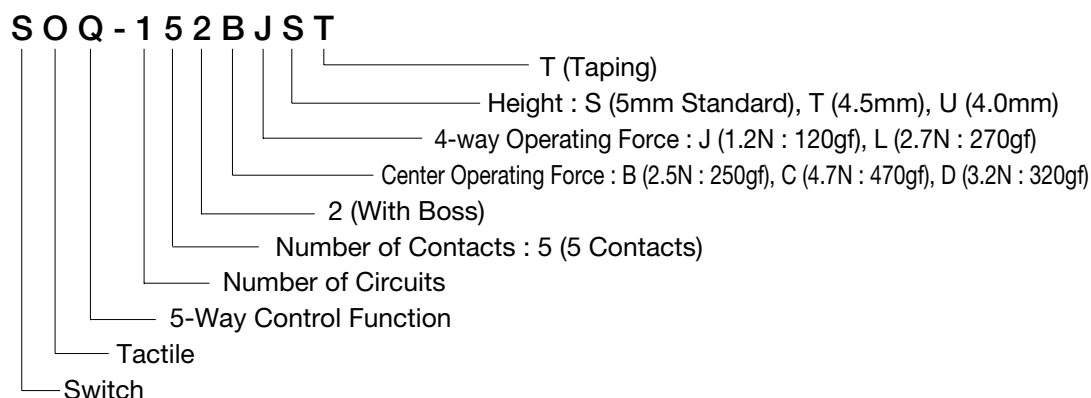
1. Minimized surface area (Just 6mm square).
2. Each circuit has 5 contacts to accommodate comparators.
3. Unique 2 layer construction to accommodate larger center click springs for longer service life.
4. Unique 4 way control function for enhanced tactile control sensations.
5. SMT type and reflow-soldering for surface mounting.



### USES

1. Mobile phones, Digital still camera, Game machines and PDA peripherals.

### MODEL NAME CODE



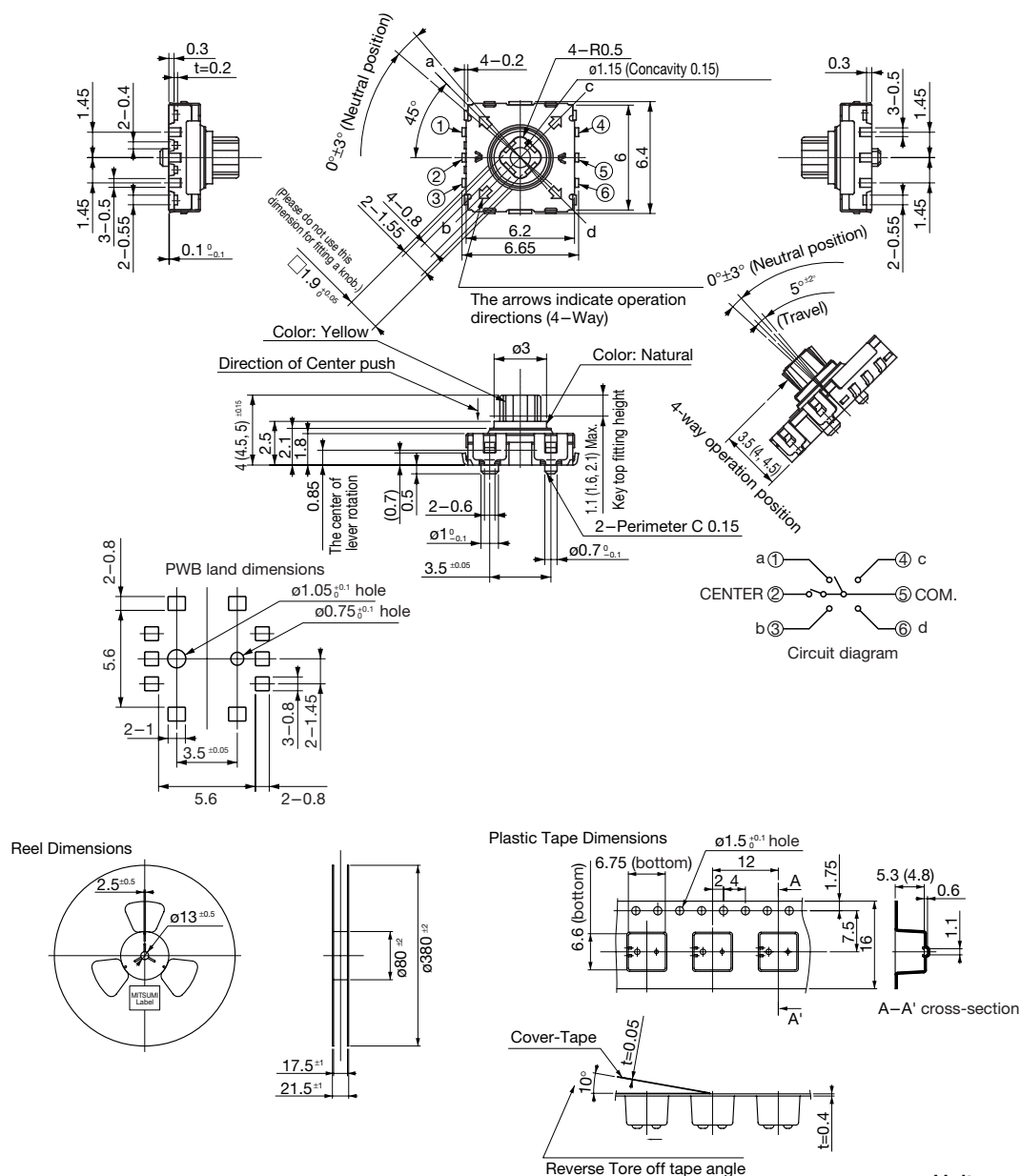
### SPECIFICATIONS

|                            |                       |       |                  |               |
|----------------------------|-----------------------|-------|------------------|---------------|
| Electrical Characteristics | Rating                |       | 50mA, 12V DC     |               |
|                            | Contact Resistance    |       | 200mΩ or less    |               |
|                            | Insulation Resistance |       | 100MΩ or more    |               |
|                            | Withstand Voltage     |       | 1 minute at 100V |               |
| Mechanical Characteristics | Operating Force       | 4-Way | J Type           | 1.2N (120gf)  |
|                            |                       |       | L Type           | 2.7N (270gf)  |
|                            | Center                |       | B Type           | 2.5N (250gf)  |
|                            |                       |       | C Type           | 4.7N (470gf)  |
|                            |                       |       | D Type           | 3.2N (320gf)  |
|                            |                       |       |                  |               |
| Life                       |                       |       | BJ Type          | 200,000cycles |
|                            |                       |       | CL Type          | 100,000cycles |
|                            |                       |       | DJ Type          | 100,000cycles |

## DIMENSIONS

| Model Name Code | Order Number | Operating Force |             | Number of Contacts | Mounting Height | Pcs/Reel |
|-----------------|--------------|-----------------|-------------|--------------------|-----------------|----------|
|                 |              | Center          | 4-Way       |                    |                 |          |
| SOQ-152BJST     | R66 6538     | 2.5N(250gf)     | 1.2N(120gf) | 5                  | 5.0mm           | 1,000    |
| SOQ-152BJTT     | R66 6539     | 2.5N(250gf)     | 1.2N(120gf) | 5                  | 4.5mm           | 1,000    |
| SOQ-152CLST     | R66 6540     | 4.7N(470gf)     | 2.7N(270gf) | 5                  | 5.0mm           | 1,000    |
| SOQ-152CLTT     | R66 6541     | 4.7N(470gf)     | 2.7N(270gf) | 5                  | 4.5mm           | 1,000    |
| SOQ-152DJST     | R66 6542     | 3.2N(320gf)     | 1.2N(120gf) | 5                  | 5.0mm           | 1,000    |
| SOQ-152DJTT     | R66 6543     | 3.2N(320gf)     | 1.2N(120gf) | 5                  | 4.5mm           | 1,000    |
| SOQ-152BJUT     | R66 6815     | 2.5N(250gf)     | 1.2N(120gf) | 5                  | 4.0mm           | 1,000    |

## DIMENSIONS



\*One reel accommodates 1,000 pieces (Ø380).  
Inside ( ), 4.5mm specification.

Unit : mm  
☆Tolerance : ±0.3mm