

# Multi directional switches

**INT-1600U Series** 7.35×7.5mm, 5 Directions, Surface mount type



- **Features** : One touch, multi way switching, distinctive tactile feel for scanning and select functions
- **Applications** : Electronic devices requiring direction control on LCD display, Remote Controllers, CCTV cameras, Digital cameras
- **Specifications** :

Rating	DC 12V 50mA
Contact resistance	500mΩ Max.
Travel (mm)	4 direction : 0.25 Center : 0.15

► **Part list**

Part No.	Length (mm)		Operating force		Life	QTY per pack (Tape & reel)	Remarks	
	L1	L2	4 Direction	Center				
INT-1600U45B	4.5	1.2 max	160±50gf	260±70gf	100,000 Cycles Min.	1K	without guide bosses	
INT-1600U50B	5.0	1.7 max				650		
INT-1600U70B	7.0	3.7 max				650		
INT-1600UE45B	4.5	1.2 max	160±50gf	260±70gf		100,000 Cycles Min.	1K	with guide bosses
INT-1600UE50B	5.0	1.7 max					650	
INT-1600UE70B	7.0	3.7 max					650	

► **Drawing**

The drawing section contains three main views of the switch:

- Top View:** Shows the square footprint with dimensions 7.50±0.1 mm by 7.35±0.1 mm. It includes a 45° chamfered corner and four directional arrows labeled 1, 2, 3, and 4. Contact positions are marked with letters A, B, C, D, E, and F.
- Side View:** Shows the profile of the switch with dimensions: total height 2.14 mm, base height 1.80 mm, and a central protrusion of 1.50 mm. The overall width is 7.50±0.3 mm.
- Another Side View:** Shows the switch with a central diameter of 3.0 mm, a total height of 1.0±0.1 mm, and a base width of 3.80 mm. The base has a diameter of 3.0±0.1 mm.
- Circuit Diagram:** A schematic showing a central common contact (E) connected to four directional contacts (A, B, C, D) and a center contact (F).
- PCB Dimension:** A detailed view of the switch footprint on a PCB, showing dimensions like 8.80 mm by 8.80 mm, and various hole diameters (e.g., 1.05 mm, 0.75 mm).