

Multi directional switches

INT-1610UE Series 6.2×6.2mm, 5 Directions, Surface mount type with Guide bosses



- **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)
		4 Direction	Center		
INT-1610UE50B	5.0	130±50gf	250±50gf	100,000 Cycles Min.	1K

► **Drawing**

The drawing includes the following views and dimensions:

- Top View:** Shows a square component with a side length of 6.2 ± 0.1 mm. It features a central circular contact area with a diameter of 6.4 ± 0.1 mm. Four directional contacts are labeled A, B, C, and D. A center contact is labeled E. Dimensions include a distance of 1.45 mm from the center to the corners, a distance of $6 - 0.5$ mm from the center to the edges, and a distance of 7.2 ± 0.2 mm between the outer edges of the directional contacts. A 45° angle is indicated for the contact layout.
- Side View:** Shows the component's height of 5.0 ± 0.2 mm. The base has a width of 6.50 ± 0.3 mm. Contact diameters are $\varnothing 0.86$ mm and $\varnothing 0.96$ mm. Other dimensions include 2.2 mm, 1.85 mm, and 2.4 mm.
- Another Side View:** Shows a height of 0.60 mm and a base width of $6 - 0.50$ mm. Distances from the center to the edges are 1.45 mm.
- Circuit Diagram:** Shows a central common contact (B) connected to four directional contacts (A, C, D, E) and a center contact (F). The center contact (E) is labeled as 'CENTER'.
- PCB Dimension:** Shows the component's footprint on a PCB. The overall width is 5.60 mm and the height is 7.80 mm. The component is centered on a 3.50 mm wide area. Holes for mounting are $\varnothing 0.85$ mm and $\varnothing 1.15$ mm. Other dimensions include 3.70 mm, 2.10 mm, 0.8 mm, 2.50 mm, and 4.50 mm.