

Subminiature Tact switches

INT-1442U Series 4.2×3.2mm with 2.5mm length, Wide stem, Dustproof, Surface mount type



- **Features** : Subminiature design
- **Applications** : Automobile, Smartphones, Other mobile devices
Consumer electronics

► **Specifications** :

Rating	DC 16V 50mA
Contact resistance	100mΩ Max.
Travel (mm)	0.2+0.2/-0.1

► **Part list**

Part No.	Length (mm)	Operating force	Life	QTY per pack (Tape & reel)
INT-1442U25A	2.5	180±50gf	100,000 Cycles Min.	3K
INT-1442U25B		250±50gf		
INT-1442U25C		350±70gf		
INT-1442U25D		400±70gf		

► **Drawing**

The drawing section contains three main views of the switch:

- Top View:** Shows the circular top of the switch with dimensions: 4.6±0.2 (total width), 4.2±0.1 (width between terminals), and 3.0 (width between mounting holes). It also shows a 3.2±0.1 diameter for the central contact area and a 2.7 diameter for the inner ring. Terminal positions are marked with circled numbers 1, 2, 3, and 4.
- Side View:** Shows the profile of the switch with a total height of 4±0.6 and a base thickness of 2.15.
- Bottom View:** Shows the underside of the switch with dimensions: 0.6±0.2 (height of the base), 0.5 MAX (height of the stem), 1.6 (width of the base), and 2.5±0.2 (width of the base).

Two additional diagrams are provided on the right side of the drawing area:

- Circuit diagram:** A schematic showing four terminals (1, 2, 3, 4) with a switch mechanism connecting terminal 1 to terminal 2 and terminal 3 to terminal 4.
- PCB Dimension:** A diagram showing the footprint of the switch on a PCB with dimensions: 5.2 (total width), 3.1 (width between mounting holes), 2.8 (total height), and 1.5 (height of the mounting pads).