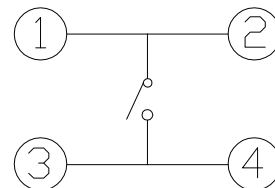
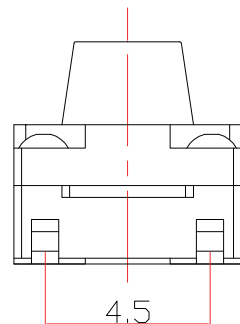
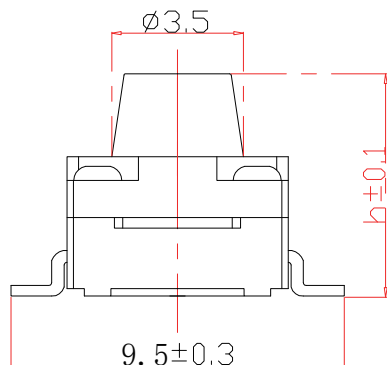


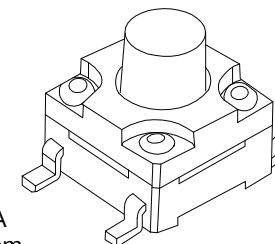
Kinghelm®



Circuit Diagram

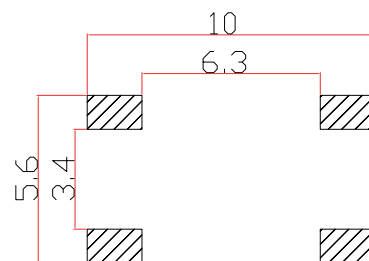
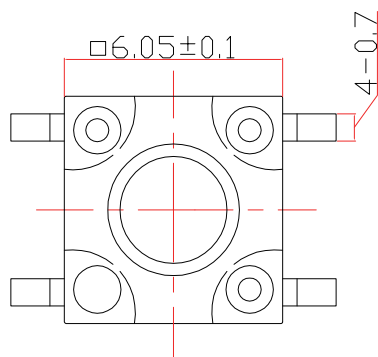
| Height |     |
|--------|-----|
| 4.3    | 5.0 |
| 5.5    | 6.0 |
| 6.5    | 7.0 |
| 7.5    | 8   |

| Dimension Range | Unspecified Tolerance Values |
|-----------------|------------------------------|
| 0~3             | ±0.10                        |
| 3~6             | ±0.15                        |
| 6~9             | ±0.20                        |
| 9~12            | ±0.25                        |
| 12~15           | ±0.35                        |

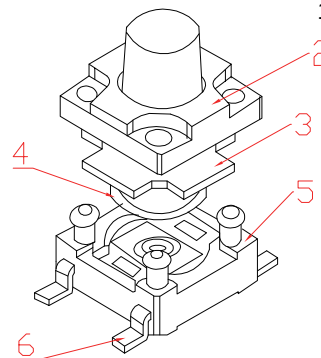


Technical Specifications:

- 1.Rated Load: DC 12V, 50mA
- 2.Travel Distance: 0.3 ± 0.1mm
- 3.Operating Force: 260 ± 50gf
- 4.Contact Resistance: ≤ 50mΩ
- 5.Insulation Resistance: ≥ 100MΩ
- 6.Withstand Voltage: AC 250V (50Hz/60Hz, 1 min)
- 7.Durability: ≥ 100,000 cycles
- 8.Salt Spray Resistance: ≥ 48 hours
- 9.Waterproof Rating: IP67
- 10.Silver Migration Resistance: 60V, 85°C, 90% RH/60 H



P.C.B. MOUNTING PLAN



|                                         |                                                                  |                        |                  |                             |
|-----------------------------------------|------------------------------------------------------------------|------------------------|------------------|-----------------------------|
| 6                                       | Insert / Contact                                                 | Brass H65 0.3          | White            | Silver Plated               |
| 5                                       | Base                                                             | PPA                    | Black            |                             |
| 4                                       | Spring Plate                                                     | Stainless Steel SUS301 | White            | Single-Sided Silver Plating |
| 3                                       | Waterproof Gasket                                                | Silicone 1158          | Black            |                             |
| 2                                       | Cover Plate                                                      | PPA                    | Black            | _____                       |
| 1                                       | Button                                                           | PPA                    | Black            | _____                       |
| NO.                                     | DESCRIPTION                                                      | MATERIAL               | COLOR            | REMARK                      |
| Shenzhen Kinghelm Electronics Co., Ltd. |                                                                  |                        | www.kinghelm.net |                             |
| KH-6X6X5H-SMT-FS-D                      |                                                                  |                        | 0755-28190160    |                             |
| CUSTOMER COPY                           | Name<br>TITLE: Internal Diagram of Waterproof Tact Switch Series |                        |                  |                             |

|              |     |          |             |        |       |                                            |  |        |  |  |           |                |        |                           |    |    |  |  |
|--------------|-----|----------|-------------|--------|-------|--------------------------------------------|--|--------|--|--|-----------|----------------|--------|---------------------------|----|----|--|--|
|              |     |          |             |        |       |                                            |  | DESIGN |  |  | 2014-9-25 | TYPE NO:       |        | (6x6 SMD Waterproof Type) |    |    |  |  |
|              |     |          |             |        |       |                                            |  | CHECH  |  |  | 2014-9-25 | MATERIAL       |        |                           |    |    |  |  |
|              | PA  | 01/02/08 |             |        |       |                                            |  | CHECK  |  |  | 2014-9-25 | Drawing Number | A      |                           |    |    |  |  |
|              |     |          |             |        |       |                                            |  | APPRO  |  |  | 2014-9-25 | DRAWING:       | Status | Code                      |    |    |  |  |
| ECN (DCN) NO | REV | DATE     | DESCRIPTION | CHANGE | APPRO | GENERAL TOLERANCE<br>UNLESS OTHERWISE NOTE |  |        |  |  | 2014-9-25 | SCALE          | 5:1    | UNRT                      | mm | A4 |  |  |