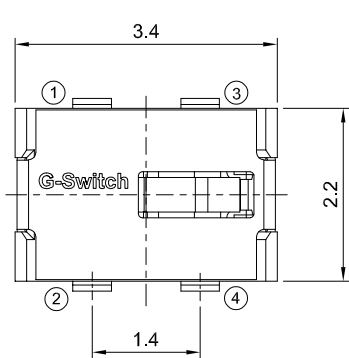
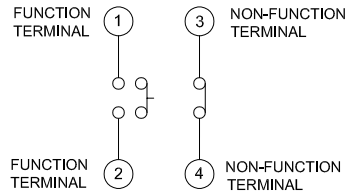
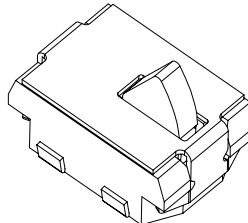


RECOMMENDED PCB LAYOUT  
TOLERANCE:±0.05



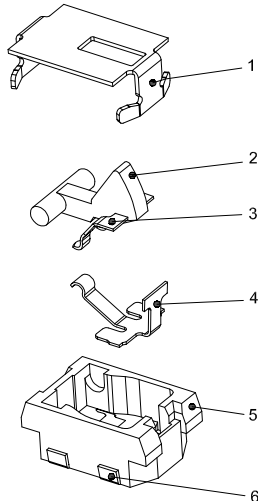
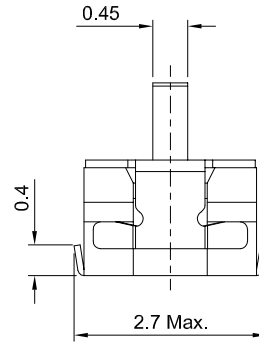
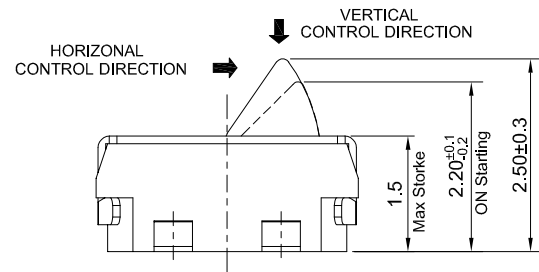
CIRCUIT DIAGRAM



# DS - S A002A-H025-L1 N

- Detector Switch**
- Installation**  
S=SMT
- Structure**  
A=Shrapnel contact
- Operating Force**  
A=25gf max
- Switch Height(mm)**  
H025=2.5
- Switch Lifetime**  
L1=100,000 Cycles
- Detail**  
N=Non Pilot

- G-Switch Specification:**
- 1.Operating temperature range: -40°C ~ +85°C
  - 2.Rating: 10mA max.5V DC/50μA min.3V DC
  - 3.Insulation resistance: 100MΩ min.100V DC
  - 4.Dielectric strength: 100V AC for 1 min
  - 5.Contact resistance:500mΩ max.
  - 6.Conduction travel: 0.3<sup>+0.1</sup><sub>-0.2</sub>mm max



|     |           |                 |            |
|-----|-----------|-----------------|------------|
| 6   | TERMINAL  | PHOSPHOR BRONZE | Ag PLATING |
| 5   | BASE      | PA              | BLACK      |
| 4   | SPRING    | STAINLESS STEEL |            |
| 3   | CONTACT   | PHOSPHOR BRONZE | Ag PLATING |
| 2   | STEM      | PA              | BLACK      |
| 1   | COVER     | STAINLESS STEEL |            |
| NO. | PART NAME | MATERIAL        | REMARK     |



|                                     |                                                                                       |                                                       |         |          |            |                                                                                                                                                                |            |
|-------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------|---------|----------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| SCALE: 1:1                          | UNIT: mm                                                                              | Title: Vertical Detector Switch<br>SMT 3.4×2.2×H2.5mm |         |          |            | <div><div>品質科技</div><div>b-Switch</div><div>www.dg-switch.com</div></div> |            |
| SIZE: A4                            |  | Molde Code: DS-SA002A-H025-L1N                        |         |          |            |                                                                                                                                                                |            |
| Unless otherwise General Tolerance: |                                                                                       | DRAWN                                                 | CHECKED | APPROVED | DATE       |                                                                                                                                                                |            |
| X.                                  | ±0.40                                                                                 | Xia                                                   | Chen    | Chen     | 2024.03.10 | REV: A0                                                                                                                                                        | SHEET: 1/1 |
| X.x                                 | ±0.30                                                                                 |                                                       |         |          |            |                                                                                                                                                                |            |
| X.xx                                | ±0.20                                                                                 |                                                       |         |          |            |                                                                                                                                                                |            |
| X°                                  | ±3°                                                                                   |                                                       |         |          |            |                                                                                                                                                                |            |