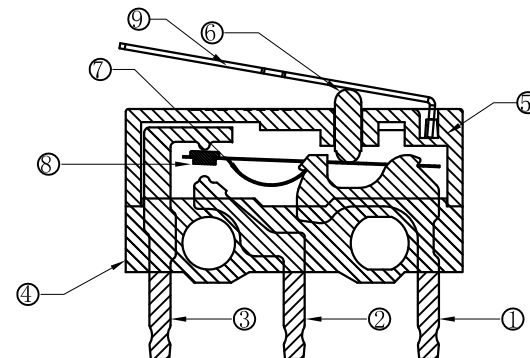
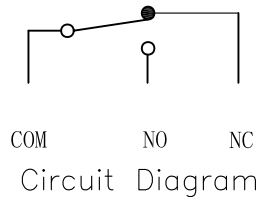
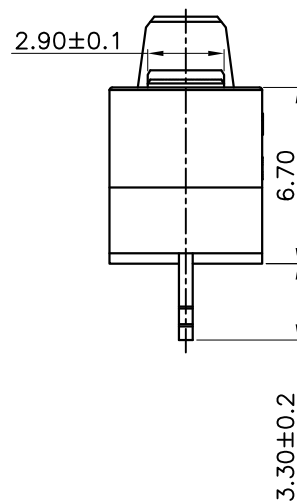
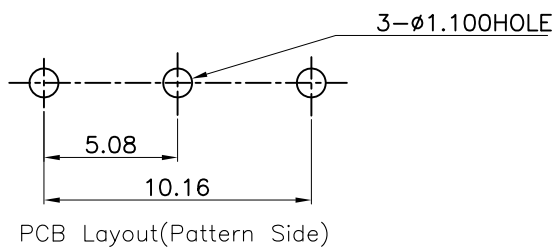
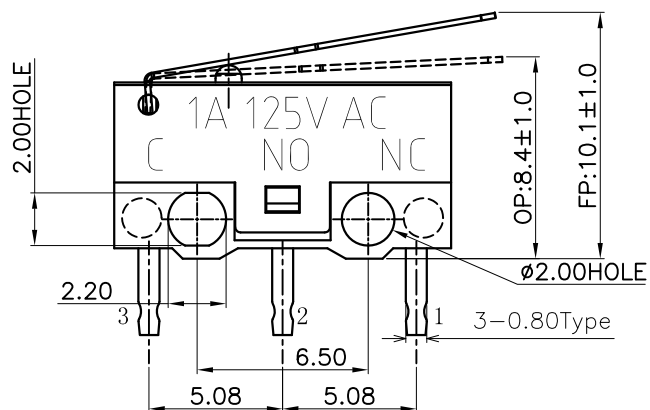
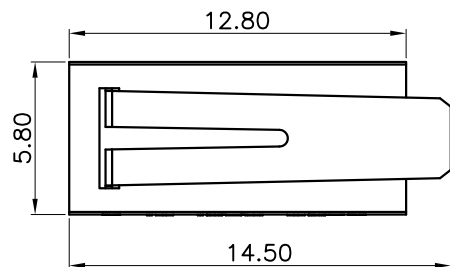


ABIDE BY ROHS



■ Specification :

- 1. Rating : DC30V 0.1A
- 2. Contact Resistance : 100m Ω Max
- 3. Insulation Resistance : 100M Ω Min (DC250V)
- 4. Withstand Voltage : AC500V (50-60Hz) for 1 minute
- 5. Operation Force : 25 \pm 10gf
- 6. Releasing Force : 10gf (Min)
- 7. Operating Position : 8.4 \pm 1.0mm
- 8. Electric Life : 1000000 cycles

| | | | | | | |
|----------------|-----------|-------------|-------|---|----------------|---|
| ⑨ | Lever | _____ | 1 | Stainless Steel | _____ | _____ |
| ⑧ | Contact | _____ | 1 | Silver Alloy | _____ | _____ |
| ⑦ | Shrapnel | _____ | 1 | Copper Alloy | _____ | _____ |
| ⑥ | Keystoke | _____ | 1 | POM | White | _____ |
| ⑤ | Cover | _____ | 1 | PBT | Black | _____ |
| ④ | Base | _____ | 1 | PBT | White | _____ |
| ③ | Terminal | 3 | 1 | BRASS(0.5t) | Plating Silver | _____ |
| ② | Terminal | 2 | 1 | BRASS(0.5t) | Plating Silver | _____ |
| ① | Terminal | 1 | 1 | BRASS(0.5t) | Plating Silver | _____ |
| ITEM | PART NAME | TER'NO. | QTY. | MATERIAL | FINISHING | REMARK |
| APPROVALS | | | DATE |  Kailh 东莞市凯华电子有限公司 KAIHUA ELECTRONICS CO.,LTD | | |
| DRAWN | wanwenxue | APL.13.2006 | | | | |
| CHECKED | | | | TITLE: | Micro Switch | |
| APPROVALS | | | | PART NO. | CMI126703D26 | |
| TOLERANCES ARE | | 30 <= 1 | ±0.30 | ANGLE | UNIT: mm | SCALE: 4:1 |
| | | 0 <= 30 | ±0.20 | | | |
| | | 5 <= 10 | ±0.15 | | | |
| | | 1 <= 5 | ±0.10 | | | |
| | | ±2° | | DRAWING NO. | _____ | PROJ:  |
| | | | | | | SHEET 1 OF 1 |

| | | | | | | |
|---------|------|-------|--------------|---------|--------|--------|
| ECN NO. | REV. | DATE. | DESCRIPTION. | CHANGE. | CHECK. | APPRO. |
| | A | | NEW | | | |

Micro Switch Specification

| | |
|--------------|--------------|
| Model Type: | Micro Switch |
| Customer No: | |
| Model No: | CMI126703D26 |

1.General:

1-1 Configuration : SPDT

1-2 Switch rating: DC30V 0.1A

1-3 Operation temperature range:-25℃ ~ 80℃

1-4 Preservative temperature range:-30℃ ~ 80℃

1-5 Appearance and dimensions:See outside drawing page

1-6 Standard conditions:Unless specified,the test and measurements shall be carried out as follows:

Ambient temperature: 5℃~35℃

Relative humidity :45%~85% RH

Air pressure :8,600~10,600Pa

However,if doubt arises on the decision based on the measured values under the above-mentioned conditions,the following conditions shall be employed.

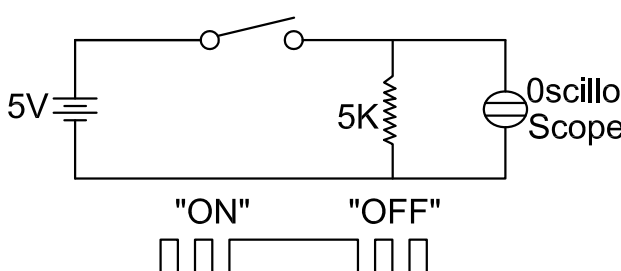
Ambient temperature:20±2℃

Relative humidity :65±5% RH

Air pressure :86-106kPa

2.PERFORMANCE

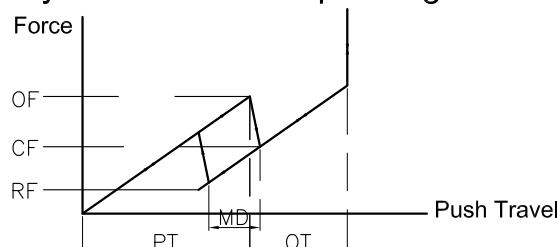
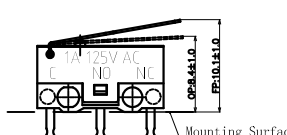
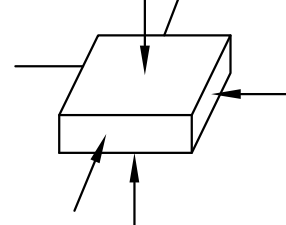
2-1 Electrical characteristics

| NO | ITEM | TEST CONDITIONS | PERFORMANCE |
|-------|---------------------------------|---|---|
| 2.1.1 | Contact resistance | Applying a static load two the actuating force to the center of the stem,measurements shall be made with a 1KHz small-current contact resistance meter. | 50mΩ,max |
| 2.1.2 | Insulation resistance | Measurements shall be made following application of DC500V potential across terminals and across terminals and frame for one minute. | 100MΩ, min |
| 2.1.3 | Dielectric withstanding voltage | AC 500V(50Hz or 60Hz)shall be applied across terminals and across terminals and frame for one minute. | There shall be no breakdown. |
| 2.1.4 | Bounce | <p>Lightly striking the center of the stem at a rate encountered in normal use(3to4 operations per sec)bounce shall be tested at "ON"and"OFF".</p>  | <p>Criteria: ON:10m sec max OFF:10m sec max</p> |

Micro Switch Specification

| | |
|--------------|--------------|
| Model Type: | Micro Switch |
| Customer No: | |
| Model No: | CMI126703D26 |

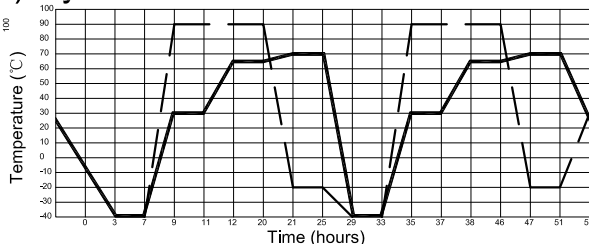
2-2 Mechanical characteristics

| NO | ITEM | TEST CONDITIONS | PERFORMANCE |
|-------|---------------------------|---|---|
| 2.2.1 | Operation force | Push by recommended operating condition  | See 4/4 page |
| 2.2.2 | Operation characteristics | Push by recommended operating:  | See 4/4 page |
| 2.2.3 | Stop strength | Astatic load of 3 Kgf shall be applied in the direction of stem operation for a period of 60 seconds. | No damage (Electrical and mechanical) |
| 2.2.4 | Stem strength | The maximun force to withstand a pull applied opposite to the direction of stem operation shall be measured. | 500gf min |
| 2.2.5 | Drop resistance test | 1)Height:1.5m 2)Acceleration:80G 3)Cycles of test:3 cycles each in 6 directions, shall be satisfied.total 18 cycles.  | NO 2.1and2.2.1 to 2.2.2 shall be satisfied. |
| 2.2.6 | Salt Mist test | The switch shall be checked after following test: 1)Temperature: 35±5 °C 2)NaCl concentration: 5±1%; 3)Duration: 24 hours, 4)After immersing, salt deposit shall be removed by running water. | No remarkable corrosion shall be recognized in metal parts. |
| 2.2.7 | Soldering heat test | Soldering area:t/2 of P.W.B thickness thickness (P.W.B:t=1.6) Soldering temperature:260±5°C Soldering time:5±1 sec. | No Damage (Electrical and mechanical) |

Micro Switch Specification

| | |
|--------------|--------------|
| Model Type: | Micro Switch |
| Customer No: | |
| Model No: | CMI126703D26 |

2-3 Reliability test

| NO | Item | Test Conditions | Criteria |
|-------|---------------------------|--|--|
| 2.3.1 | Cold test | 1)Temperature:-20±2℃ 2)Duration :96hours 3)Take off a drop water 4)Standard condition after Test: 1 hour | Contact resistance: 200mΩ max. No 2.1.2to2.1.4and2.2.1 |
| 2.3.2 | Heat test | 1)Temperature:85±2℃ 2)Duration :96hours 3)Standard conditions after Test: 1 hour | Contact resistance :200mΩ max. No2.1.2to2.1.4and2.2.1 to2.2.2shall be satisfied. |
| 2.3.3 | Temperature cycle Test | 1)Test cycles:5cycles 2)Standard conditions after test: 1 hour 3)1cycle  | Contact resistance :200mΩ max. No2.1.2to2.1.4and2.2.1 to2.2.2shall be satisfied. |
| 2.3.4 | Solder ability Test | The top of the terminals shall be dipped in the solder bath at 260±5℃ for 5±1 seconds. | Ninety-five percent of terminals shall be dipped. |
| 2.3.5 | Humidity test | 1)Temperature:60±2℃ 2)Relative humidity:90--95% 3)Duration :96hours 4)Take off a drop water 5)Standard conditions after test:1hour | Contact resistance :200mΩ max. No2.1.2to2.1.4and2.2.1 to2.2.2shall be satisfied. |
| 2.3.6 | Electronics Life | 1)After 2.3.4 / 2.2.7 /2.3.5 2)DC30V 0.1A Resistance load 3)Operation speed:2-3cycles/sec 4)Actuation force:150gf 5)Cycles of operation:1000,000cycles min | Contact resistance: :10Ω max. Bounce:10m sec max No2.1.2to2.1.3and 2.2.2 shall be satisfied. |
| 2.3.7 | Mechanical Life | 1,000,000 cycles of operation shall be performed continuously at a rate of 2-3cycles/sec without load. | Contact resistance: :10Ω max. |
| 2.3.8 | Sulfuration | The switch shall be checked after following test: 1)Temperature: 35±5℃ 2) Na ₂ S Concentration: 2%; 3) Duration: 2 min, | No remarkable corrosion shall be recognized in metal parts. |

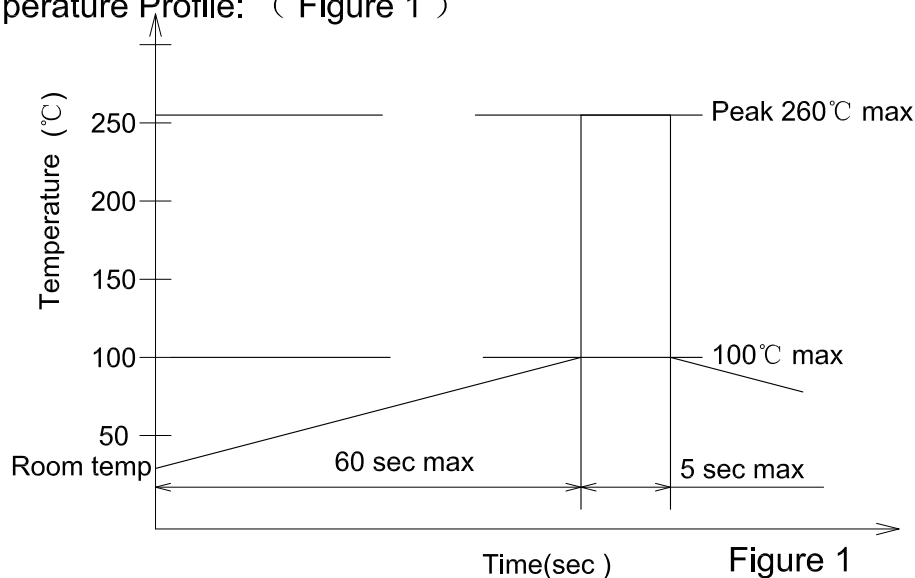
Micro Switch Specification

Model Type: Micro Switch

Customer No:

Model No: CMI126703D26

3. Wave soldering : When applying wave soldering, the peak temperature of the wave Oven should be set to 260 °C max. Condition for soldering (Wave & Non-washable Type)
Temperature Profile: (Figure 1)



3.1 Wave soldering conditions

| Items | Conditions |
|-------------------------|---|
| Preheating temperature | Ambient temperature of the soldered surface of PC board.100°C max |
| Preheating time | 60 sec max |
| Soldering temperature | 260°C max |
| Continuous dipping time | 5 sec max |
| Number of soldering | 2 time max |

3.2 Manual soldering

Bit temperature of soldering iron : 360±10°C

Application time of soldering iron : within 3s.

4.FP、OP、OF、RF Sepecification and definition as below:

| Symbol | Unit | Value | Type |
|--------|------|----------|------|
| FP | mm | 10.1±1.0 | |
| OP | mm | 8.4±1.0 | |
| OF | gf | 25±10 | |
| RF | gf | 10 | |