

Yuanchuangxing electronics (Shenzhen) CO., LTD.

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Customer Name: SHENZHEN SRICCTV TECHNOLOGY CO., LTD

Customer Model:

Customer

Material No.: 5. 06. 0052

Customer

Specification:

Yuanchuangxing

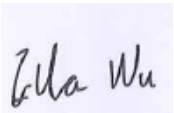
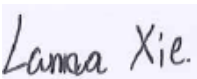
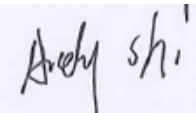
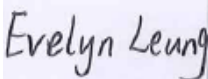
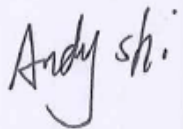
Material No.: YCX08W-W689-250B

Yuanchuangxing

Specification

Description: White one-piece 104.5mm long waterproof 2.4G (with O-ring) Grey feeder 250mm long with terminals

Specification Specificationcertificates

|                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Confirmation Signature                                                             |                                                                                    |                                                                                    |                                                                                     |                                                                                      |                                                                                      |
| Yuanchuangxing confirms                                                            |                                                                                    |                                                                                    | Customer Confirmation                                                               |                                                                                      |                                                                                      |
| sample making                                                                      | audits                                                                             | approvals                                                                          | validate                                                                            | audits                                                                               | approvals                                                                            |
|  |  |  |  |  |  |
| Yuanchua<br>ngxing                                                                 |                                                                                    |                                                                                    | Client                                                                              |                                                                                      |                                                                                      |
| Date                                                                               | 2023-09-22                                                                         |                                                                                    | Date                                                                                | 2023-09-22                                                                           |                                                                                      |

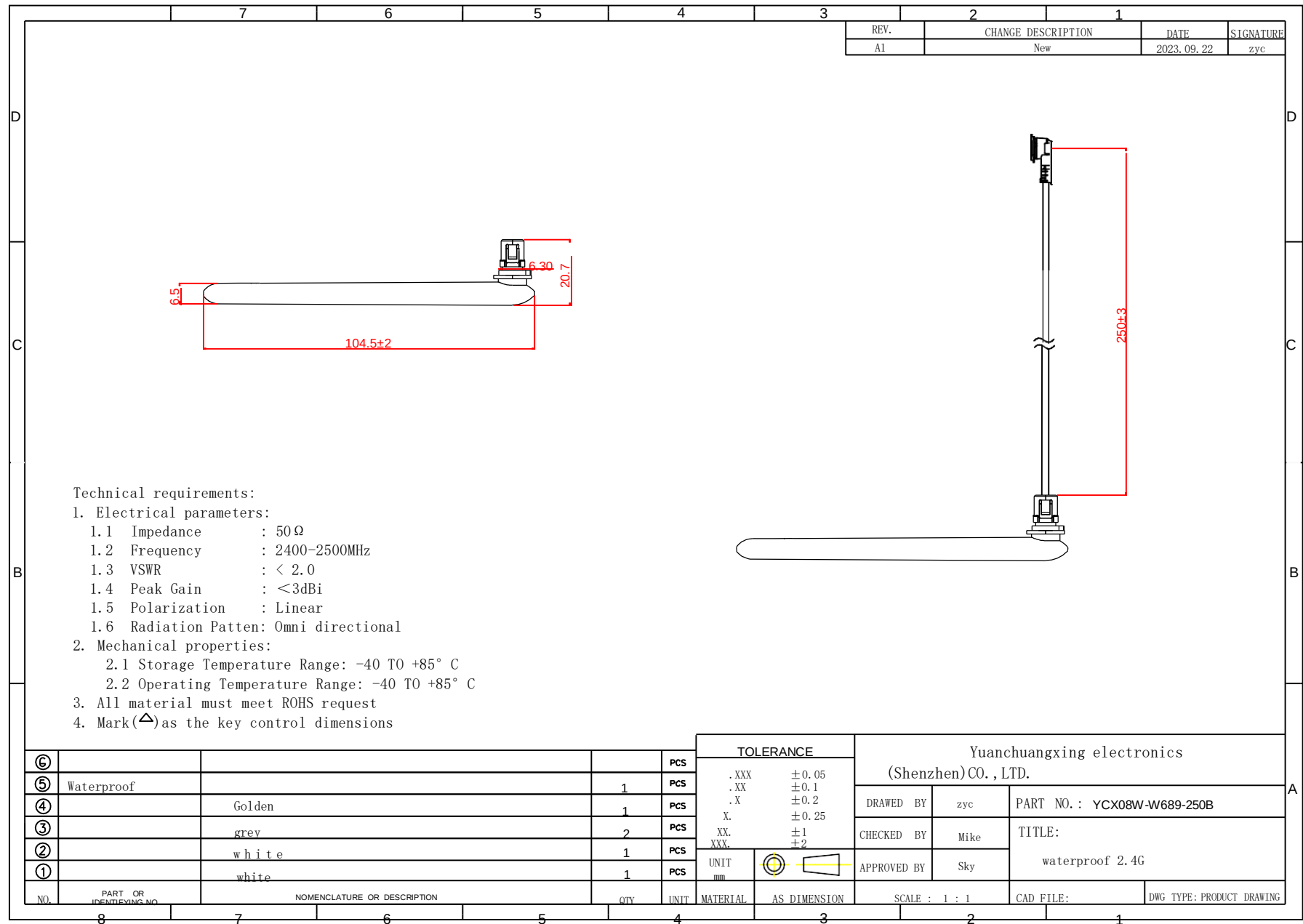
## Curricula vitae of documents created/revised/deleted

[illegible]

## 3. catalogue

|                                                                  |   |
|------------------------------------------------------------------|---|
| 1, Cover .....                                                   | 1 |
| 2. Curriculum vitae of document<br>creation/revision/repeal..... | 2 |
| 3. Catalogue.....                                                | 3 |
| 4、Product drawings.....                                          | 4 |
| 5. Passive performance test parameters .....                     | 5 |
| 6、2D、3D Performance Chart.....                                   | 7 |
| 7. Electrical performance test report .....                      | 7 |
| 8. Reliability test report.....                                  | 8 |

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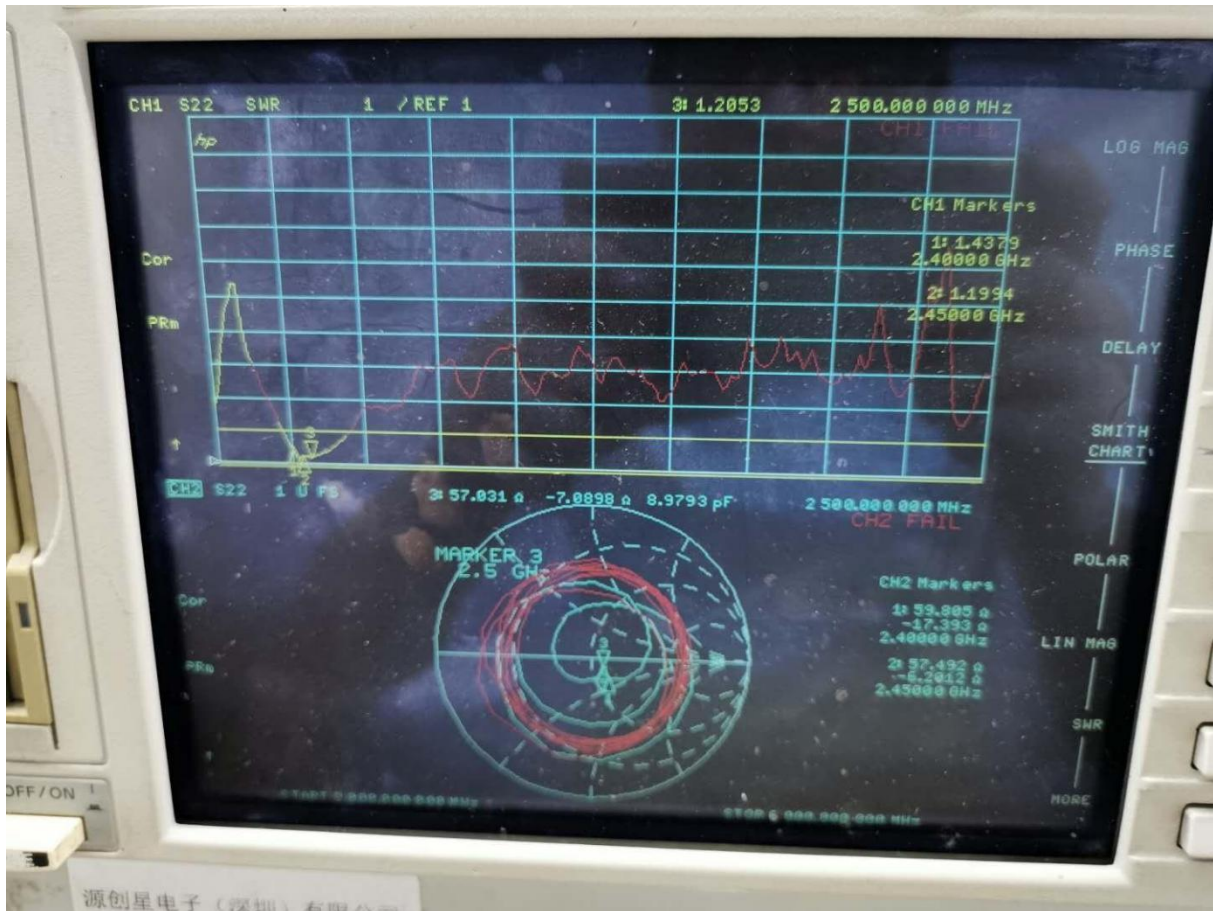


# Yuanchuangxing Electronics

Yuanchuangxing electronics (Shenzhen) CO., LTD.

## 1. Passive Performance Test Parameters Number

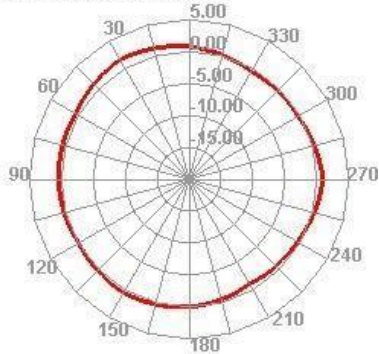
|                 |      |      |      |
|-----------------|------|------|------|
| Frequency (GHz) | 2.4  | 2.45 | 2.5  |
| VSWR            | 1.44 | 1.20 | 1.20 |



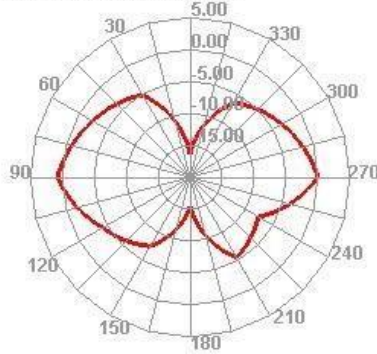
6. 2D and 3D performance graph

| Passive Test For WiFi2.4G |          |            |  |  |
|---------------------------|----------|------------|--|--|
| Freq (MHz)                | Effi (%) | Gain (dBi) |  |  |
| 2400                      | 60       | 1.86       |  |  |
| 2450                      | 61       | 1.82       |  |  |
| 2500                      | 61       | 1.91       |  |  |

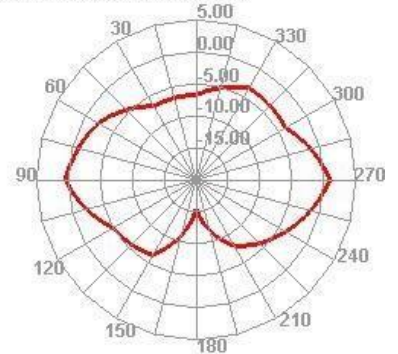
2400.000MHz H



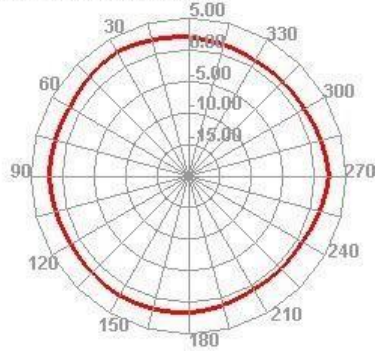
2400.000MHz E1



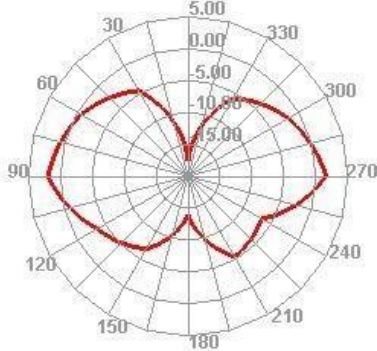
2400.000MHz E2



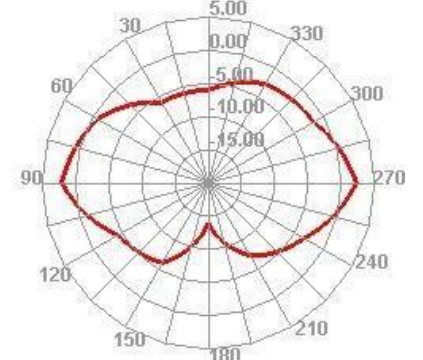
2450.000MHz H



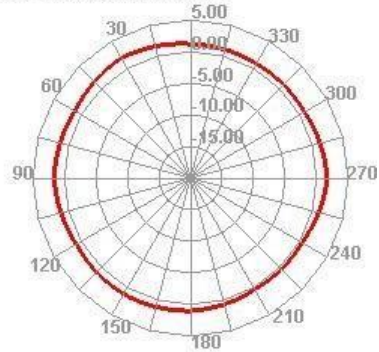
2450.000MHz E1



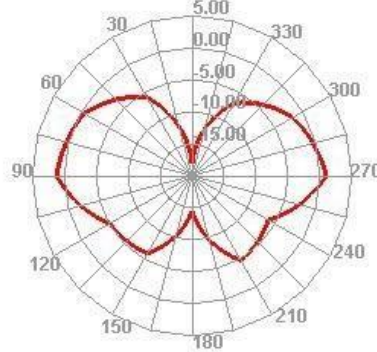
2450.000MHz E2



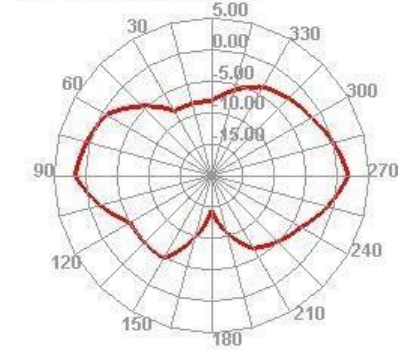
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



7、Electrical  
performance  
parameters

|                                                             |               |                                |
|-------------------------------------------------------------|---------------|--------------------------------|
| Electric<br>al<br>paramete<br>rs                            |               |                                |
| frequency range                                             |               | 2. 4GHz-2. 5GHz                |
| Input Impedance                                             |               | 50Ω                            |
| standing wave<br>ratio<br>(physics)                         |               | <2.0 Control Sample Test Graph |
| gain<br>(elect<br>ronics<br>)                               | 2. 4G-2. 5G   | <3dBi                          |
|                                                             | 5. 15G-5. 85G |                                |
| polarisation<br>mode                                        |               | vertical polarisation          |
| radiation<br>direction                                      |               | in all directions              |
| connection<br>method                                        |               | IPEX                           |
| Mechanic<br>al<br>paramete<br>rs                            |               |                                |
| length<br>of a<br>thread<br>(e. g.<br>of a<br>parabo<br>la) |               |                                |
| mainta<br>ining<br>power                                    |               |                                |
| coaxial cable                                               |               | RF1.13 black                   |

|            |     |
|------------|-----|
| Salt Spray | 24H |
|------------|-----|

|                                     |         |
|-------------------------------------|---------|
| Test                                |         |
| Environm<br>ental<br>paramete<br>rs |         |
| operating<br>temperature            | -40~85℃ |

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## 8. Reliability test report

### 8.1. Constant temperature and humidity tests

|                                                                                                                                                                                                                                                                                |                                               |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------|
| Tests/pilot projects                                                                                                                                                                                                                                                           | Constant temperature and humidity test        | checklist number            |
| Product Name/Specification                                                                                                                                                                                                                                                     | 2.4G-3dBi White One Piece                     | Test Quantity: 5PCS         |
| Date of delivery: 2022-09-15                                                                                                                                                                                                                                                   |                                               | Completion date: 2022-09-16 |
| Test/inspection equipment:<br>1.Programmable constant temperature and humidity test chamber<br>2.8753ES Network Analyser                                                                                                                                                       |                                               |                             |
| Test/inspection conditions:<br>1. Test at constant temperature -40° C for 12H<br>2. +85° 65-70%RH test 12H, 24 hours total;                                                                                                                                                    |                                               |                             |
| Test Results                                                                                                                                                                                                                                                                   |                                               |                             |
| Criteria for judgement:<br>1, the metal surface without cracks wrinkles, separation, etc.;non-metallic parts should not occur discolouration, cracking, deformation, degumming and other bad;<br>2、Electrical test meets the standard requirements;voltage VSWR test qualified |                                               |                             |
|                                                                                                                                                                                                                                                                                |                                               |                             |
| Test/inspection determination:                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> Qualified | Failure No judgement        |
| Test: Li Chunqiang                                                                                                                                                                                                                                                             | Audit: Wang Chunjiang                         |                             |

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## 8.2 High and low temperature thermal shock

|                                                                                                                                                                                                                                                                                                                 |                                              |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------|
| Tests/pilot projects                                                                                                                                                                                                                                                                                            | High and Low Temperature Cold and Heat Shock | checklist number            |
| Product Name/Specification                                                                                                                                                                                                                                                                                      | 2.4G- 3dBi White One Piece                   | Test Quantity: 5PCS         |
| Date of delivery: 2022-09-15                                                                                                                                                                                                                                                                                    |                                              | Completion date: 2021-09-16 |
| Test/inspection equipment:<br>1.High and low temperature alternating humidity and heat box<br>2.8753ES Network Analyser                                                                                                                                                                                         |                                              |                             |
| Test/inspection conditions:<br>-30° C (2H) - 80° C (2H) intervals, 6 cycles for 24 hours;                                                                                                                                                                                                                       |                                              |                             |
| Test Results                                                                                                                                                                                                                                                                                                    |                                              |                             |
| Criteria for judgement:<br>3, metal surface plating should be no flaking, cracking wrinkles, separation, etc.; non-metallic parts should not occur discolouration, cracking, deformation, degumming and other bad;<br>4、Electrical test is in accordance with the standard; the voltage VSWR test is qualified. |                                              |                             |
|                                                                                                                                                                                                                                                                                                                 |                                              |                             |
| Test/inspection determination: <input checked="" type="checkbox"/> Qualified      Failure      No judgement                                                                                                                                                                                                     |                                              |                             |
| Test: Li Chunqiang      Audit: Wang Chunjiang                                                                                                                                                                                                                                                                   |                                              |                             |

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| Specification for sample inspection of structural components                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                           |                                                                                                                                                    |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Structural component sample inspection results shall contain the following: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                           |                                                                                                                                                    |
| form                                                                        | Specific<br>ation<br>items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | form                                                                      | Specific<br>ation<br>items                                                                                                                         |
| ①App<br>earan<br>ce &<br>Gauge<br>integri<br>ty<br>testing                  | 1、Check the surface with or without water folder, gas pattern, shrinkage, whitening, scratches, bruises, material flowers, oil stains and so on.                                                                                                                                                                                                                                                                                                                                                             | ③Reli<br>abilit<br>y<br>perfor<br>mance<br>test<br>(machin<br>ery<br>etc) | 1. Storage temperature range                                                                                                                       |
|                                                                             | 2、Check the edges, rubber pillars, limits, orifices, window Grids, slots, etc., there is no batch of peaks, go glue is not flush, broken columns, edge collapse, water cut flat, material brittle and so on.                                                                                                                                                                                                                                                                                                 |                                                                           | 2、Operating temperature range                                                                                                                      |
|                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                           | 3、Flame retardant                                                                                                                                  |
|                                                                             | 3. Tapping into the appropriate specification screws, which must not be whitened.<br>Bursting or sliding teeth                                                                                                                                                                                                                                                                                                                                                                                               |                                                                           | 4、Drop test                                                                                                                                        |
|                                                                             | 4, check the surface treatment (oil spraying, silkscreen, hot stamping colour, silkscreen content, processing effect: ① silkscreen hot stamping pieces - whether there are mutilations, teeth, fat oil, heavy shadow, uneven thickness and leakage; ②oil spray hot stamping pieces ---Whether the oil colour is uniform, yin and yang colour, grain, scratches, stray colours, burnt and impurities, etc., silkscreen and hot stamping position whether there is alignment, skew, misalignment now!<br>shape |                                                                           | 5, 3M adhesive paper /white grid /rubber / alcohol (75% ~ 80% concentration) test (a total of 4 items, for screen printing oil spraying materials) |

|  |                        |  |                        |
|--|------------------------|--|------------------------|
|  | Test result: qualified |  | Test result: qualified |
|--|------------------------|--|------------------------|

|                                              |                                                                                                                                                  |                                                             |                                            |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|
|                                              | note                                                                                                                                             |                                                             | note                                       |
| ②Dimensions<br>&<br>Mechanical<br>Properties | 1, the illustrated size inspection (in accordance with the tolerance range, focusing on checking the CPK have marked or description of the size) | ④Materials<br>&<br>Packaging<br>etc.<br>⑤⑥<br>other<br>than | 1、Material composition report confirmation |
|                                              | 2, levelling test and other accessories with tightness to ensure that know                                                                       |                                                             | 2. Packaging and other precautions:        |
|                                              | 3, lenses, light guide column light transmission test confirmation                                                                               |                                                             |                                            |
|                                              | Test result: qualified                                                                                                                           |                                                             | Test result: qualified                     |
|                                              | note                                                                                                                                             |                                                             | note                                       |

Sample fitting test results: qualified    Inspection person in charge: Zheng Yunxia