



## Chuangxin Online Test Center Laboratory

Add: F/r 401 Building A, Ying Da Feng industrial No,393,Jihua Rd.LongGang  
Dis. Shenzhen China  
Tel: 0755-83765367 Email: taow@iclab-cn.com



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# Project Inspection Report

Company : NA  
Address : NA  
Sample Name : AH3761-WG-7  
Manufacture : DIODES  
Date Code : N/A  
Package Type : SOT23  
Sample Number : 10 PCS  
Check Number : 10 PCS  
Date of Received : 09/09/2021  
Date of Tested : 10:00/09/10/2021 ~ 12:00/09/10/2021

### WE HEREBY CERTIFY THAT:

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

Inspected by Engineer  
Wei-Tao

Reviewed by Project Manager  
Felix

### **Note:**

1. This report will be invalid if reproduced in whole or in part.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used separately.
3. This report is only valid with the examination seal and signature of this institute.
4. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.
5. This report is only responsible for the samples tested.

## Items test



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- External visual inspection
- Pin Correlation Test
- Programming test
- Solder ability Analysis
- Radiography (X-ray)
- ROHS test
- Key Functional Testing (KFT)
- Baking
- Tape and Reel
- Internal visual inspection
- Top permanency test

## Methods & Equipment

### 1.1 Applicable Standard

- MIL-STD-883L-2019 2012.11

### 1.2 Optical Microscope

- Equipment Spec:  
Top view: FINIAL Hi-scope System SEZ-260: X7 ~ X45

### 1.3 Digital Caliper

- Equipment Spec:  
MASTERPROOF : Standard Digital Caliper 0-150mm

### 1.4 Radiography (X-ray)

- Equipment Spec:  
Hardware:XiDAT Dage XD6500  
Software:11.56-DD6058  
Magnification in excess of 2800x  
Resolution below 2um  
Energy:60KV/40uA

### 1.5 Testing Environment

- Ambient Temperature: 25±5°C
- Relative Humidity: 45%-65% RH

### 1.6 Testing Base



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[DIODES AH3761-WG-7]

[https://easydatasheet.cn/static/pdf\\_view/viewer.html?file=https://easydatasheet.cn/pdf/view/3a09d1f01c8ed19b8fa563e6bacfe45b5612c40f.pdf](https://easydatasheet.cn/static/pdf_view/viewer.html?file=https://easydatasheet.cn/pdf/view/3a09d1f01c8ed19b8fa563e6bacfe45b5612c40f.pdf)

## Analysis Summary

### X-ray Analysis:

Applicable Standard: MIL-STD-883L-2019 2012.11

X-ray inspection on 10PCS(#1-#10) samples. Two internal structures were found, #1、#3、#5、#7、#9、#10 Have the same internal structure, #2、#4、#6、#8 Have the same internal structure, But no abnormality was found such as bonding wire breaking and melting.

## 1. Device Description:

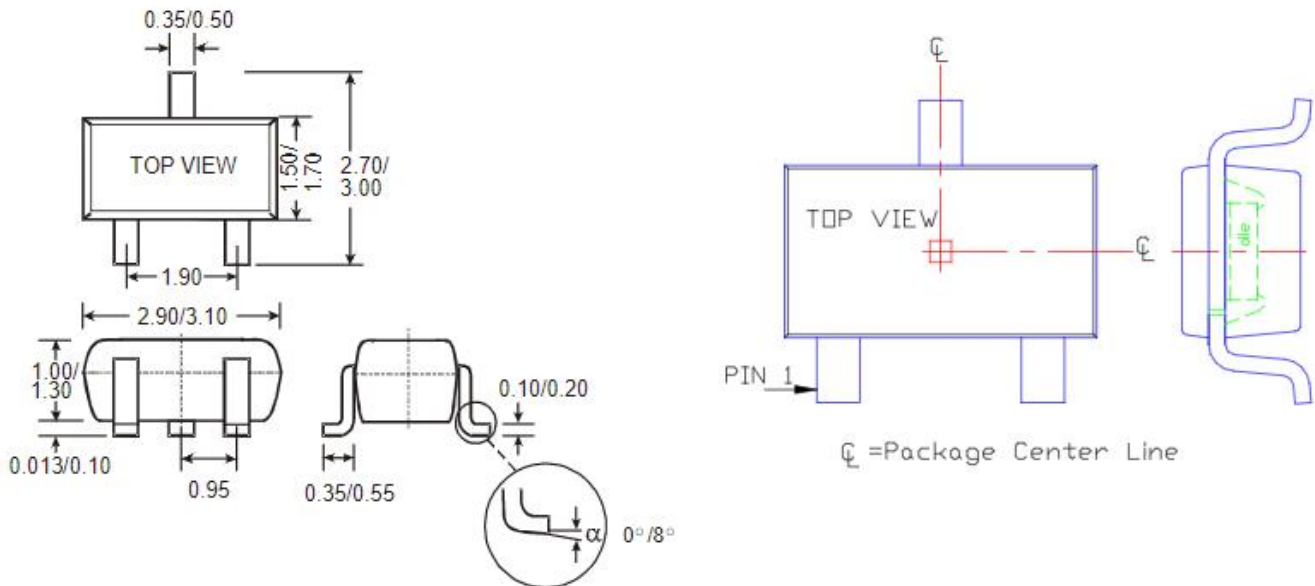
AH3761 is an integrated Hall effect latched sensor designed for electronic commutation of brush-less DC



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motor applications. The device includes an on-chip Hall voltage generator for magnetic sensing, a comparator that amplifies the Hall voltage, and a schmitt trigger to provide switching hysteresis for noise rejection, and open drain output. An internal bandgap regulator is used to provide temperature compensated supply voltage for internal circuits and allows a wide operating supply range.

## 2. Package Dimensions:



## 3.Receiving Inspection:



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Gross Weight	25 g	Parts Total	10 PCS
Number Of Boxes	N/A	Full Label	Acceptable
Package type	Bulk	Moisture protection	Non Present
MSL	N/A	ESD protection	Acceptable

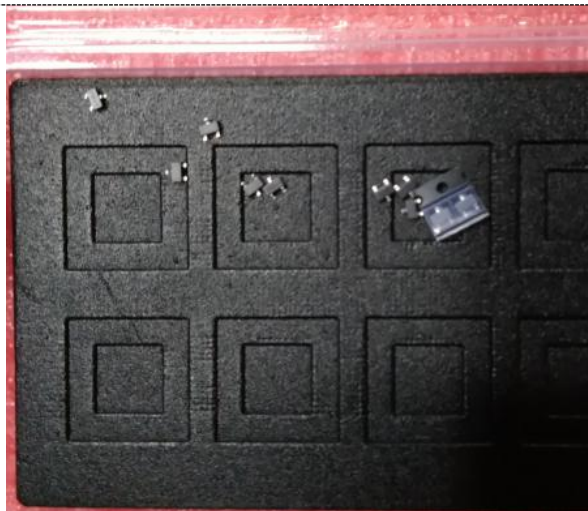
Received View-1



Received View-2



Received View-3



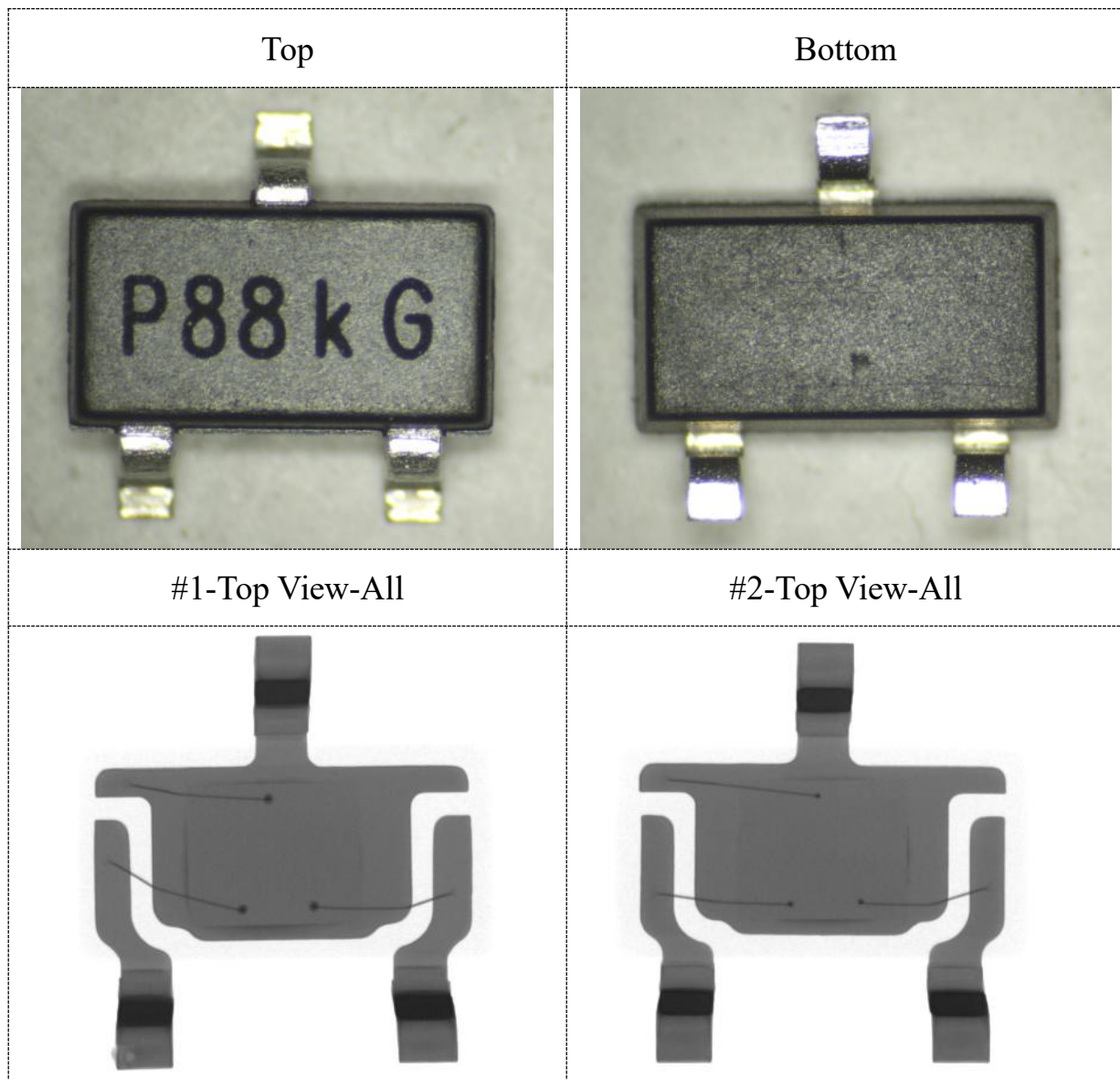


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## 4.X-ray Analysis:

Applicable Standard: MIL-STD-883L-2019 2012.11

X-ray inspection on 10PCS(#1-#10) samples. Two internal structures were found, #1、#3、#5、#7、#9、#10 Have the same internal structure, #2、#4、#6、#8 Have the same internal structure, But no abnormality was found such as bonding wire breaking and melting.







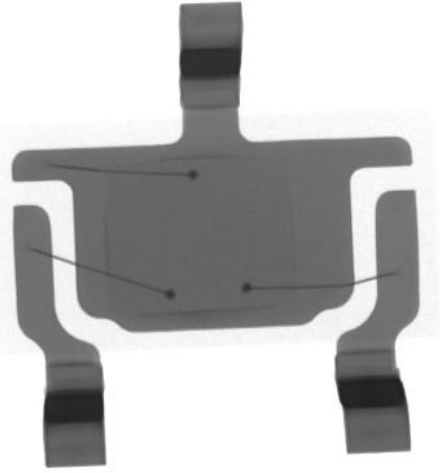
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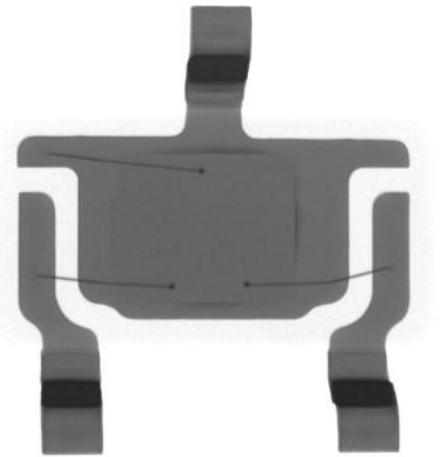


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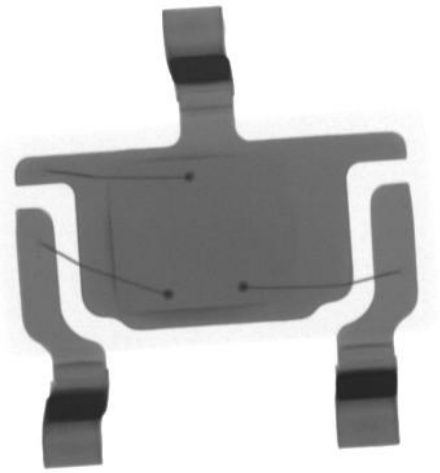
#3-Top View-All



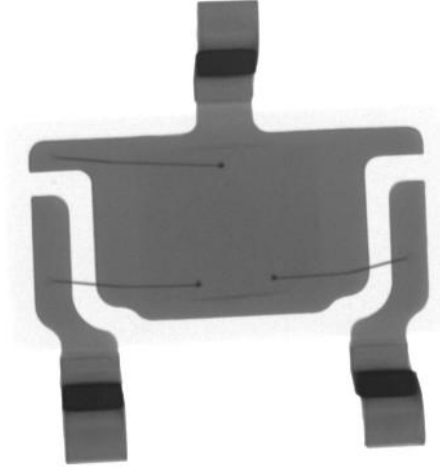
#4-Top View-All



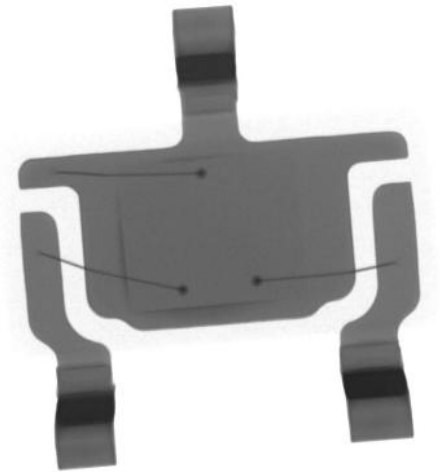
#5-Top View-All



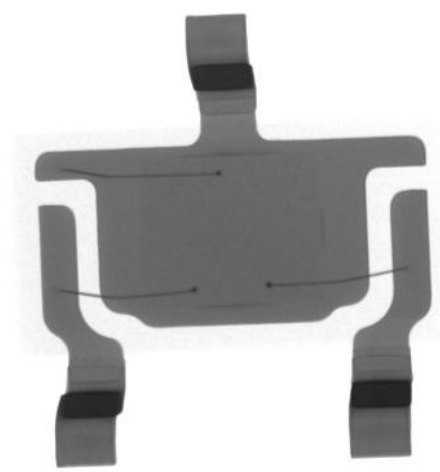
#6-Top View-All



#7-Top View-All



#8-Top View-All





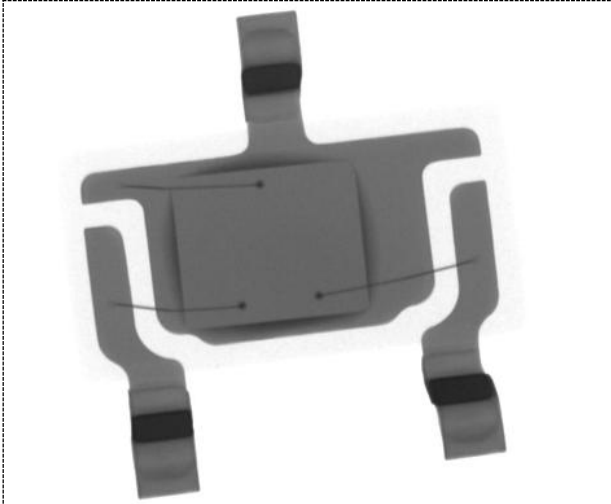
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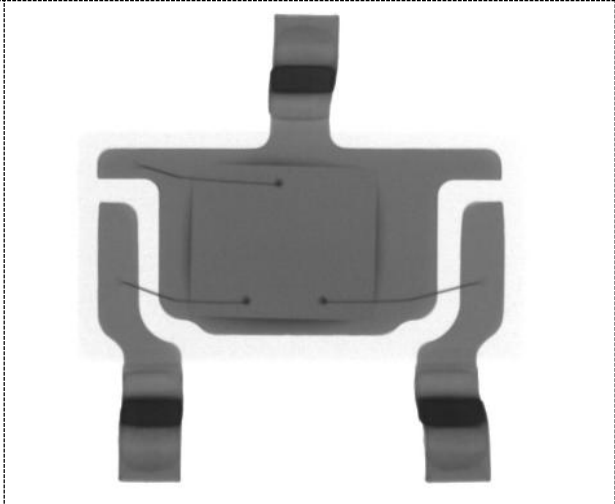


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#9-Top View-All



#10-Top View-All



**End**

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CXO Lab WeChat official account

