



中国认可  
国际互认  
检测  
TESTING  
CNAS L12524

# Test Report

**Sample Name:** The integrated circuit

**Part Number:** AD8312ACBZ-P7

**Manufacturer:** ADI

**Customer:**

Shenzhen Chuangxin Online Testing Service Co., Ltd.

November 20, 2025



## Test Report

Customer:

Customer Address:

Sample Name: The integrated circuit

Part Number: AD8312ACBZ-P7

Manufacturer: ADI

Date Code: 2528

Package Type: BGA

Quantity Received: 1 PCS

Quantity Inspected: 1 PCS

Date Received: 11/17/2025

Date Tested: 11/17/2025/15: 00 - 11/19/2025/19: 00

WWW.ICLABCN.COM

Tested by \_\_\_\_\_

Issued by

Inspected by \_\_\_\_\_

(Stamp)

Approved by \_\_\_\_\_

## Test Items And Conclusions

Results Analysis			Conclusion
According to the requirements of the client, 1 sample was subjected to one type of inspection: Reflow soldering. None of the one inspection revealed any standard defects.			✓
Test Items	Quantity (PCS)	Test Standard	Result
<input checked="" type="checkbox"/> Documentation and Packaging inspection	1	SAE AS6171/2A-2017	✓
<input type="checkbox"/> External visual inspection	N/A	N/A	N/A
<input type="checkbox"/> Top permanency test	N/A	N/A	N/A
<input type="checkbox"/> Radiography(X-ray)	N/A	N/A	N/A
<input type="checkbox"/> XRF test	N/A	N/A	N/A
<input type="checkbox"/> Pin correlation test	N/A	N/A	N/A
<input type="checkbox"/> Programming test	N/A	N/A	N/A
<input type="checkbox"/> Key functional test(KFT)	N/A	N/A	N/A
<input type="checkbox"/> SAT test	N/A	N/A	N/A
<input type="checkbox"/> Solderability Analysis	N/A	N/A	N/A
<input checked="" type="checkbox"/> Reflow soldering	1	JEDEC J-STD-002E-2017	✓
<input type="checkbox"/> Internal visual inspection	N/A	N/A	N/A

Result Status: ✓ Acceptable ✗ Nonconforming ● Suspicious N/A Not tested & not applicable

## Test Equipment

Device name	Serial No.	Model No.	Calibration Due Date
Optical microscope	TC-S-WG-007	SEZ-260	2026/07/07
Reflow soldering box	TC-S-HX-017	BT301	2026/07/07
Datasheet Reference 《ADI AD8312ACBZ-P7》 :			
<a href="https://item.szlcsc.com/datasheet/AD8312ACBZ-P7/682236.html?spm=sc.gbn.xds.a_sc.gbn.hd.ss&amp;c=Z&amp;lcsc_vid=RQQLBFMDFQRXUgICQ1NeVQEET1YIUVECEgBYU1MFQAcxVINQRFdeVIRUQVdXXztW">https://item.szlcsc.com/datasheet/AD8312ACBZ-P7/682236.html?spm=sc.gbn.xds.a_sc.gbn.hd.ss&amp;c=Z&amp;lcsc_vid=RQQLBFMDFQRXUgICQ1NeVQEET1YIUVECEgBYU1MFQAcxVINQRFdeVIRUQVdXXztW</a>			

## 1. Device description:

The AD8312 is a complete, low cost subsystem for the measurement of radio frequency (RF) signals in the frequency range of 50 MHz to 3.5 GHz. It has a typical dynamic range of 45 dB and is intended for use in a wide variety of cellular handsets and other wireless devices.

## 2. Package dimensions:

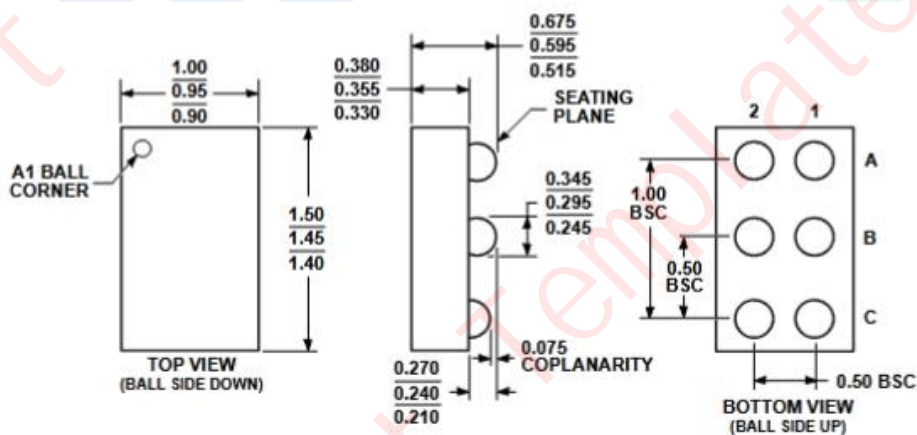


Figure 38. 6-Ball Wafer-Level Chip Scale Package [WLCSP] (CB-6-2)

Dimensions shown in millimeters



### 3. Documentation and Packaging inspection:

Outer Box	N/A	Outer Box Size (cm)	N/A
Inner Box	N/A	Inner Box Size (cm)	N/A
Total Weight	25 g	Date Code	2528
COO	TAIWAN	Material Number	N/A
Quantity Received	1 PCS	Quantity Inspected	1 PCS
Moisture Protection	Exist	ESD Protection	Exist
Sample No (Date Code + Serial No)	2528-#1		

Received view-1



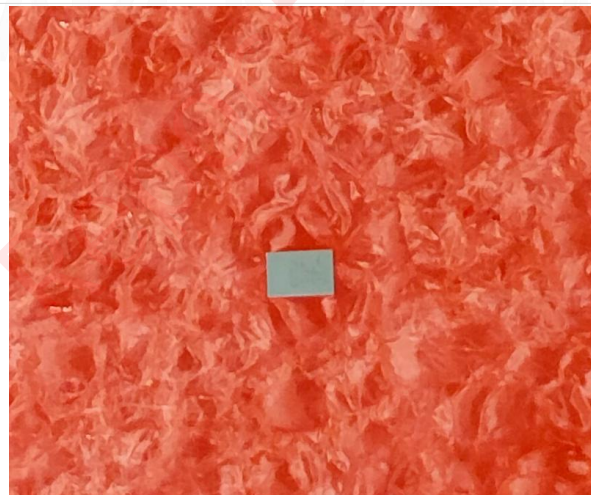
Received view-2



Received view-3



Received view-4



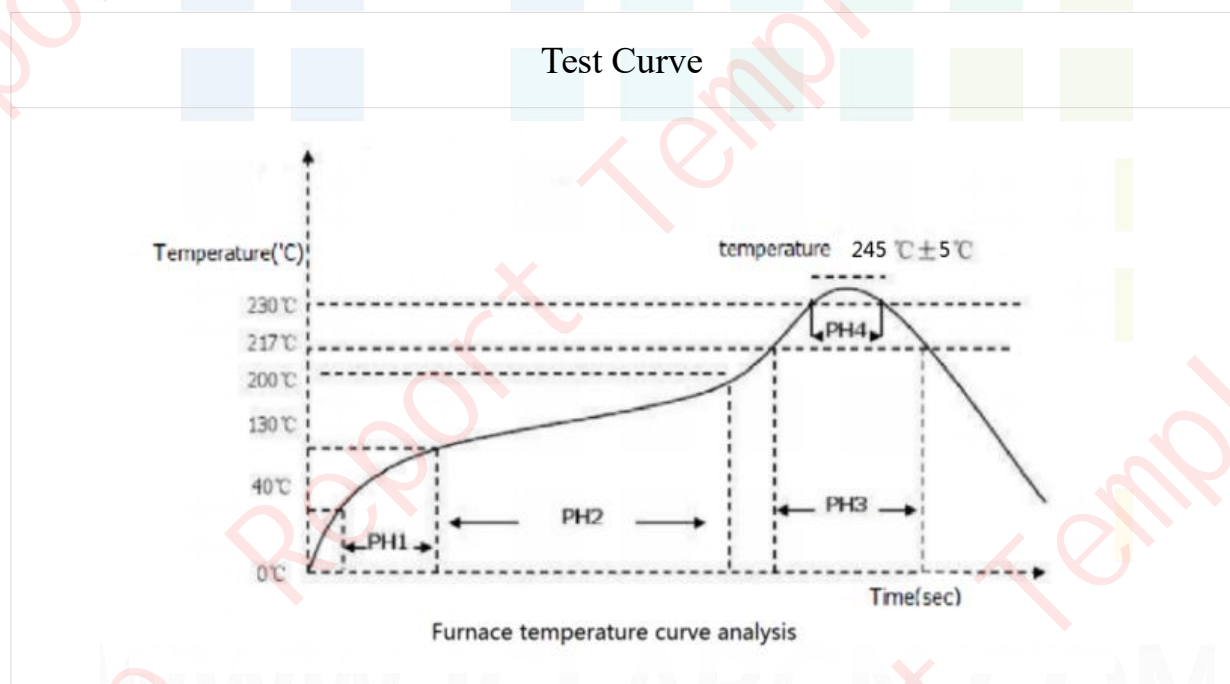
## 4. Reflow soldering:

Applicable standard: **JEDEC J-STD-002E-2017**

Ambient temperature:  $25 \pm 3\text{ }^{\circ}\text{C}$  Relative humidity: 45% ~ 65% RH

The customer provided 1 PCS of **ADI** Part Number **AD8312ACBZ-P7** for analysis and 1 piece for Reflow soldering. The details are as follows:

1 PCS sample was tested for reflow soldering using the reflow and look methods. Using Pb-free solder paste at  $250\text{ }^{\circ}\text{C}$  peak reflow temperature, having more than 95% solder coverage on the balls and deposit producing a uniform and smooth surface. The 1 PCS sample passed the reflow soldering.

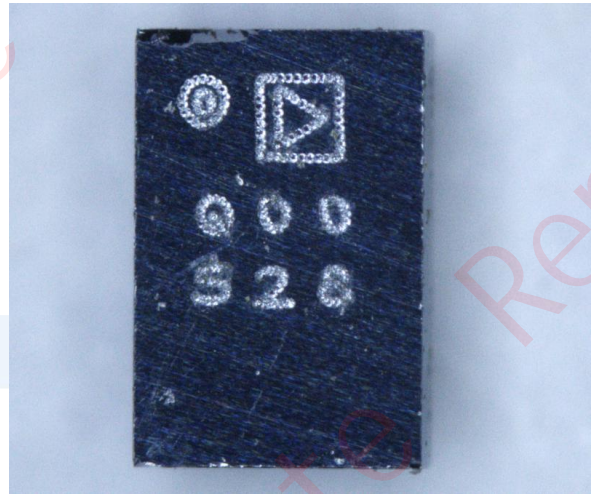




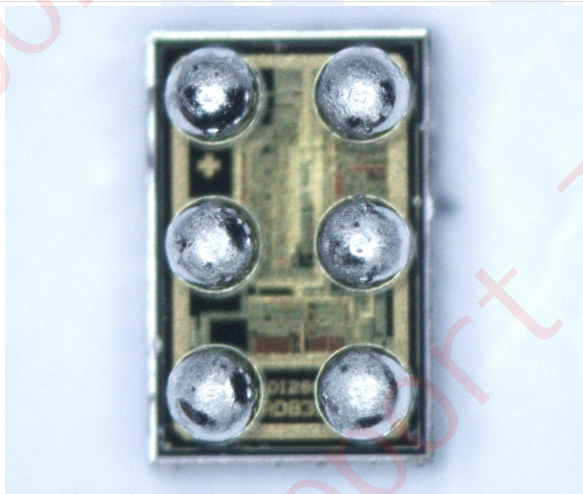
Before top view



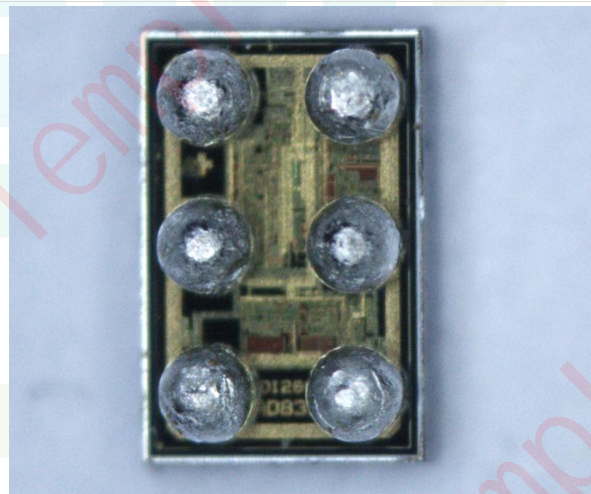
After top view



Before bottom view



After bottom view



-End of Report-



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7. The \* indicates subcontract test data.
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