WIN ON .



CLICK TO VERIFY	CNAS	MA	
	Test ]	Report	
Sample I	Name:	Discrete componen	ts
Sample 7	Гуре:	IRFS4010TRLPBF	
Manufac		INFINEON	
Custome	r:	Dlah	

Chuangxin Online Test Center Laboratory

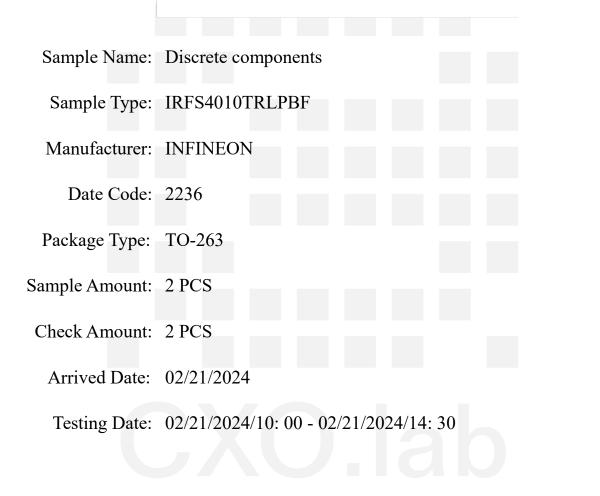
February 21, 2024



# **Test Report**

#### Customer:

Customer Address:



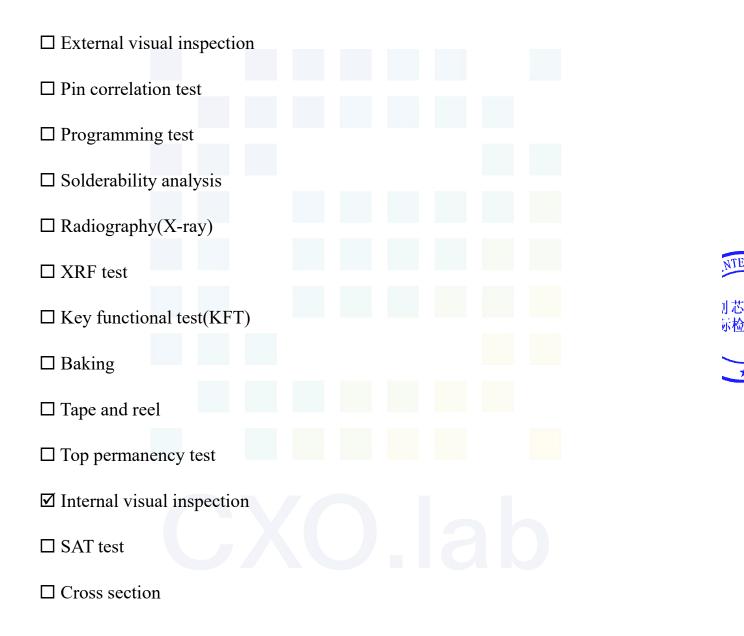




Tested	by	
Inspected	l by	
Approve	d by	



# **Test Item**





# **Methods & Equipment**

### 1.1 Test standard:

• MIL-STD-883L 2019 2010.14

#### **1.2 Optical microscope:**

• Equipment spec:

Optical microscope: SEZ-260 X7-X45(Due date: 7/18/2024)

Metalloscope: FJ-5A X50-X1000 (Due date: 7/18/2024)

#### 1.3 Laser lid opener:

• Equipment spec:

Laser lid opener: DM300-IC(Due date: 7/18/2024)

#### 1.4 Product datasheet:

• 《INFINEON IRFS4010TRLPBF》:

 $\underline{https://www.infineon.com/dgdl/Infineon-IRFS4010-DataSheet-v01\_01-EN.pdf?file}$ 

Id=5546d462533600a401535636cbd72187



# **Analysis Summary**

## **Internal visual inspection:**

#### Applicable standard: MIL-STD-883L 2019 2010.14

Internal visual inspection was verified on 2 PCS samples(the DigiKey bag and the second bag were tested 1 PCS of D/C 2236 devices each: #1,#2). The 2 PCS samples have the same structure. No relevant manufacturer's mark was found on the die surface. The die size were 6.87 \* 4.23 mm, samples do not exhibit cracks or damage on die surface.



戋 □心



## **1. Device description:**

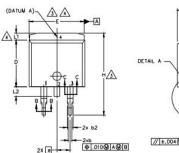
High Efficiency Synchronous Rectification in SMPS

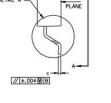
Uninterruptible Power Supply

High Speed Power Switching

Hard Switched and High Frequency Circuits

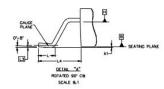
## 2. Package dimension:

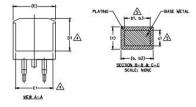




B







NOTES:

- 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
- 2. DIMENSIONS ARE SHOWN IN MILLIMETERS [INCHES].
- A. THERMAL PAD CONTOUR OPTIONAL WITHIN DIMENSION E, L1, D1 & E1.
- 5. DIMENSION 61 AND c1 APPLY TO BASE METAL ONLY.
- 6. DATUM A & B TO BE DETERMINED AT DATUM PLANE H.
- 7. CONTROLLING DIMENSION: INCH.
- 8. OUTLINE CONFORMS TO JEDEC OUTLINE TO-263AB.

SY	DIMENSIONS				N O T
MBO	MILLIN	MILLIMETERS		INCHES	
0 L	MIN.	MAX.	MIN.	MAX,	E S
Α	4.06	4.83	.160	.190	
A1	0.00	0.254	.000	.010	
b	0,51	0,99	,020	.039	
b1	0.51	0.89	.020	.035	5
b2	1.14	1.78	.045	.070	
ь3	1.14	1.73	.045	.068	5
с	0.38	0.74	.015	.029	
c1	0.38	0.58	.015	.023	5
c2	1.14	1.65	.045	.065	
D	8.38	9.65	.330	.380	3
D1	6.86	-	.270	11000000	4
Ε	9.65	10.67	.380	.420	3,4
E1	6.22	-	.245		4
e	2.54 BSC		.100 BSC		]
н	14.61	15.88	,575	.625	1
L	1,78	2,79	,070	.110	
L1	-	1.65		.066	4
L2	1.27	1.78	12	.070	
L3	0.25	BSC	.010 BSC		1
L4	4,78	5.28	.188	.208	1

HEXFEI 1.- GATE 2. 4.- DRAIN 3.- SOURCE IGBTs. CoPACK 1.- GATE 2. 4.- COLLECTOR 3.- EMITTER

LEAD ASSIGNMENTS

DIODES

1.- ANODE • 2. 4.- CATHODE 3.- ANODE

3.- ANODE

· PART DEPENDENT.



## **3. Receiving inspection:**

Gross Weight	17 g	Parts Total	2 PCS
Number of Boxes	N/A	Full Label	Exist
Package Type	Bulk & Reel	Moisture Protection	N/A
MSL	N/A	ESD Protection	Exist

Note: All devices contain 2 PCS samples.



YIN ONLY









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芯右 检测

\*

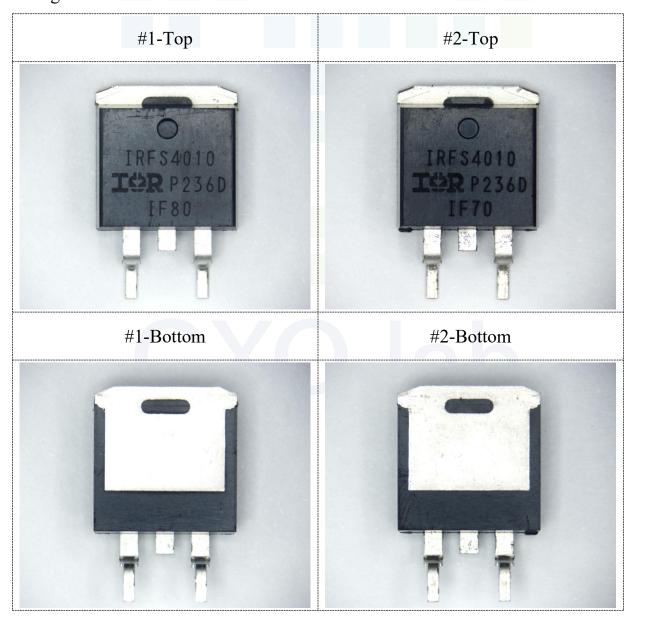


## 4. Internal visual inspection:

Applicable Standard: MIL-STD-883L 2019 2010.14

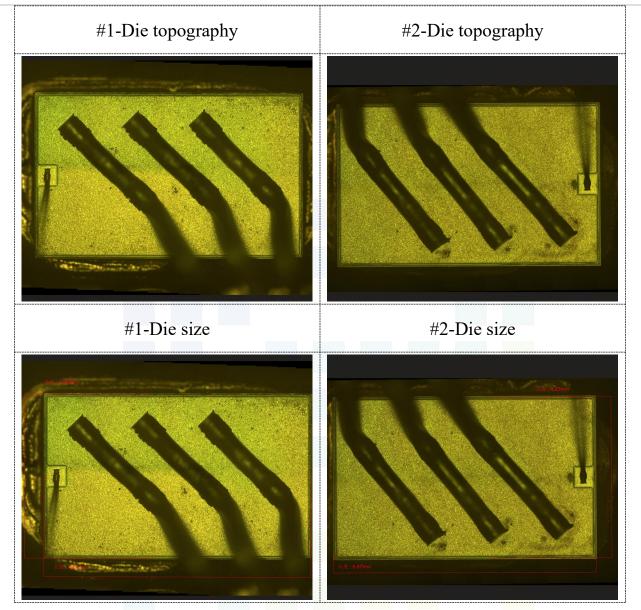
Ambient Temperature: 25.1 °C Relative Humidity: 58.2 % RH

Internal visual inspection was verified on 2 PCS samples(the DigiKey bag and the second bag were tested 1 PCS of D/C 2236 devices each: #1,#2). The 2 PCS samples have the same structure. No relevant manufacturer's mark was found on the die surface. The die size were 6.87 \* 4.23 mm, samples do not exhibit cracks or damage on die surface.



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-End of Report-

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# Disclaimer

1. The test report is invalid without the stamp of "company seal" and "cross-page seal".

2. The copy of the test report is invalid without the stamp of "company seal" and "cross-page seal".

**3.** The test report is invalid without the signatures of operator, supervisor and manager.

**4.** A modified or partial copy of the test report is invalid.

5. When there is disagreement with the test report, please submit the issue to us within 15 days from the date of receipt. Overdue information will not be accepted.

**6.** The test report is only reflective of the test results of testing samples, not of the quality of batch products.

7. The \* indicates subcontract test data.





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