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C&K Testing

# Test Report

Report No.: TS18060738R1

Shanghai Ecube-Tech Electronics Technology

Applicant Co., Ltd

Address No.245, Jinan Road, Huangpu Area, Shanghai,  
200021, China

Report Date 2018-06-27

Hangzhou C&K Testing Technic Co., Ltd.





## Test Report

<b>Applicant</b>	Shanghai Ecube-Tech Electronics Technology Co., Ltd
<b>Address</b>	No.245, Jinan Road, Huangpu Area, Shanghai, 200021, China
<b>Sample Name</b>	Copper Cap, Ceramic Tube
<b>Type/ Model</b>	0603 Series, 1206 Series, 2410 Series, 4012 Series, 4818 Series
<b>Material</b>	/
<b>Other Info.</b>	Color: gold; Color: silver; Color: white
<b>Test Requirement</b>	To determine the following items in the submitted sample(s) according to the client's requirement.
<b>Remark</b>	This report is the revision of TS18060738, the original test report is invalid.

Test Item(s)	Test Result(s)
RoHS Content-RoHS Directive 2011/65/EU and its amendment (EU) 2015/863	See Test Result(s)

Complied by Beta Xu  
Beta Xu

Inspected by Crystal Su  
Crystal Su

Authorized by Li Changhai  
Li Changhai  
Accredited Signatory



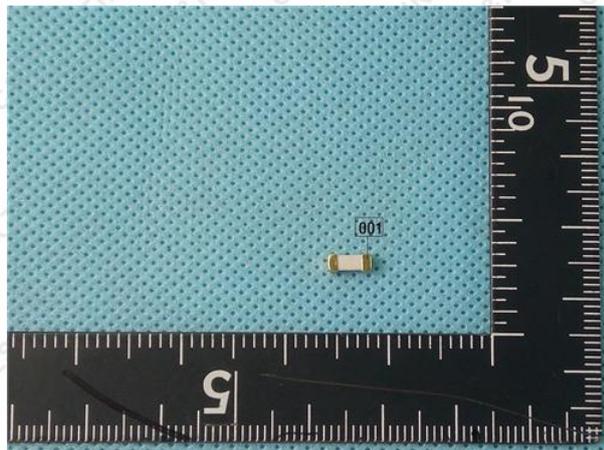
**Test Component(s):**

No.	Sample Serial No.	Test Component(s)	Type/Model	Material	Other Info.
001	TS18060029001	Copper Cap	/	/	/
002	TS18060031001	Copper Cap	/	/	/
003	TS18060032001	Ceramic Tube	/	/	/

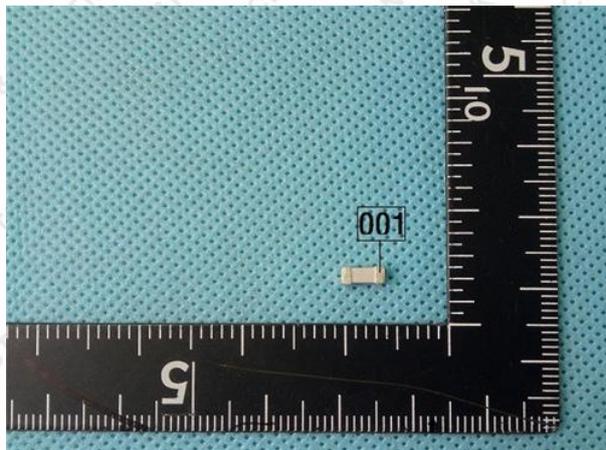
**Remarks:**

1. As per client's request, the test results of test components No.001 are quoted from test report TS18060029R1.
2. As per client's request, the test results of test components No.002 are quoted from test report TS18060031R1.
3. As per client's request, the test results of test components No.003 are quoted from test report TS18060032R1.

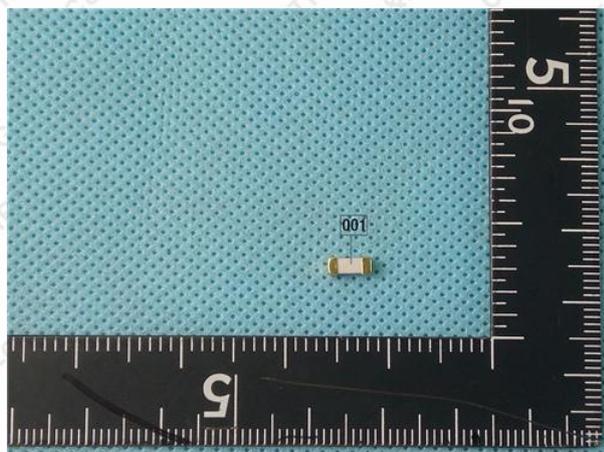
**Photo(s):**



TS18060029001



TS18060031001



TS18060032001

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**Test Result(s):**

Test Item(s)	Test Method	Limit	MDL	Unit	Test Result(s)
					001
Lead (Pb)	IEC 62321-5:2013	≤1000	5	mg/kg	8100*
Cadmium (Cd)	IEC 62321-5:2013	≤100	5	mg/kg	N.D.
Hexavalent Chromium (CrVI)	IEC 62321-7-1:2015	Negative	/	/	Negative (<0.02 µg/cm <sup>2</sup> )
Mercury (Hg)	IEC 62321-4:2013+ AMD1:2017	≤1000	5	mg/kg	N.D.

Test Item(s)	Test Method	Limit	MDL	Unit	Test Result(s)
					002
Lead (Pb)	IEC 62321-5:2013	≤1000	5	mg/kg	321000
Cadmium (Cd)	IEC 62321-5:2013	≤100	5	mg/kg	N.D.
Hexavalent Chromium (CrVI)	IEC 62321-7-1:2015	Negative	/	/	Negative (<0.02 µg/cm <sup>2</sup> )
Mercury (Hg)	IEC 62321-4:2013+ AMD1:2017	≤1000	5	mg/kg	N.D.

**Remarks:**

- MDL = Method Detection Limit; N.D. = Not detected (<MDL)
- Negative: Cr<sup>6+</sup><0.10µg/cm<sup>2</sup>;  
Positive: 1) Cr<sup>6+</sup>>0.13µg/cm<sup>2</sup>;  
2) Sample solution is significantly more intense than the 0.13µg/cm<sup>2</sup> equivalent comparison standard, and the actual value in µg/cm<sup>2</sup> is not required.  
Inconclusive: ≥0.10µg/cm<sup>2</sup> and ≤0.13µg/cm<sup>2</sup>
- \*: As a copper alloy containing up to 4% lead by weight (RoHS Exemption 6(c)).

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**Test Result(s):**

Test Item(s)	Test Method	Limit	MDL	Unit	Test Result(s)
					003
Lead (Pb)	IEC 62321-5:2013	≤1000	5	mg/kg	1590
Cadmium (Cd)	IEC 62321-5:2013	≤100	5	mg/kg	N.D.
Mercury (Hg)	IEC 62321-4:2013+ AMD1:2017	≤1000	5	mg/kg	N.D.
Polybrominated biphenyl (PBBs)	IEC 62321-6:2015	≤1000	100	mg/kg	N.D.
Polybrominated diphenyl ether (PBDEs)	IEC 62321-6:2015	≤1000	100	mg/kg	N.D.
Butylbenzylphthalate (BBP)	IEC 62321-8:2017	≤1000	10	mg/kg	N.D.
Di- (2-ethylhexyl) -phthalate (DEHP)	IEC 62321-8:2017	≤1000	10	mg/kg	N.D.
Dibutylphthalate (DBP)	IEC 62321-8:2017	≤1000	10	mg/kg	N.D.
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017	≤1000	10	mg/kg	N.D.
Hexavalent Chromium (CrVI)	IEC 62321-7-2:2017, 7.2	≤1000	10	mg/kg	N.D.

**Remarks:**

1. MDL = Method Detection Limit; N.D. = Not detected (<MDL)

**Statement:**

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V The test results shown in this report refer only to the sample submitted by applicant.

VI Please respond to Hangzhou C&K Testing Technic Co., Ltd. within fifteen working days upon receipt of this report if there is any objection.

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VIII The applicant should undertake the law responsibility that result from providing untruth information.

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\*\*\*The end of report\*\*\*

