



# RoHS Consolidated Test Report

<b>Applicant</b>	: Shenzhen Hi-Link Electronics Co., Ltd.
<b>Applicant Address</b>	: 3/F, West Gate, Caiyue Building, 24 Liuxian Avenue, Longhua, Shenzhen
<b>Manufacturer</b>	: Shenzhen Hi-Link Electronics Co., Ltd.
<b>Manufacturer Address</b>	: 3/F, West Gate, Caiyue Building, 24 Liuxian Avenue, Longhua, Shenzhen
<b>Product</b>	: Power module
<b>Model No.</b>	: HLK-10M09, HLK-10M03, HLK-10M05, HLK-10M12, HLK-10M24, HLK-10M15
<b>Trademark</b>	: N/A
<b>Date of Issue</b>	: Jan.02,2020


**Test Standards: RoHS directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102**

## Test Method:

Tested Item(s)	Test Method	Measured Equipment(s)	MDL
Lead(Pb)	IEC 62321-5:2013	ICP-OES	2mg/kg
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	2mg/kg
Mercury(Hg)	IEC 62321-4:2013+A1:2017	ICP-OES	2mg/kg
Hexavalent Chromium(Cr(VI))	IEC 62321-7-1:2015 IEC 62321-7-2:2017	UV-VIS	2mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	5mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	5mg/kg
Di-(2-ethylhexyl) phthalate(DEHP)	IEC 62321-8:2017	GC-MS	50mg/kg
Benzylbutyl phthalate(BBP)	IEC 62321-8:2017	GC-MS	50mg/kg
Dibutyl phthalate (DBP)	IEC 62321-8:2017	GC-MS	50mg/kg
Diisobutyl phthalate(DIBP)	IEC 62321-8:2017	GC-MS	50mg/kg

**Test Result(s)** Please refer to the following page(s).

Approved by: Kevin Yang  
(Kevin Yang)





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No.	Component	Issue Body	Report No.& Issue Date	Test Data(ppm)
01	Plastic shell	SGS	SH190415416/CHEM Date:2019/07/26	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
02	PCB	SGS	GZ1901012198/CHEM Date:2019/08/27	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
03	IC	SGS	SH1900125/CHEM Date:2019/06/16	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
04	Transformer	SGS	KA/2019/19907 Date:2019/07/21	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D



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No.	Component	Issue Body	Report No.& Issue Date	Test Data(ppm)
05	Electrolytic capacitor	SGS	KA/2019/C1906 Date:2019/08/26	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
06	SMD diode	SGS	EC190012794 Date:2019/09/10	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
07	Chip capacitors	SGS	KA/2019/19017 Date:2019/08/01	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
08	Chip resistor	SGS	GZ1900165866/CHEM Date:2019/07/26	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D



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No.	Component	Issue Body	Report No.& Issue Date	Test Data(ppm)
09	Inductance	SGS	SH1902645/CHEM Date:2019/08/22	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
10	Metal rod	SGS	CANEC190565874 Date:2019/05/28	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
11	Solid glue	SGS	SH190124125/CHEM Date:2019/07/30	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D
12	Silk screen	SGS	GZ0901012474/CHEM Date:2019/06/24	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D



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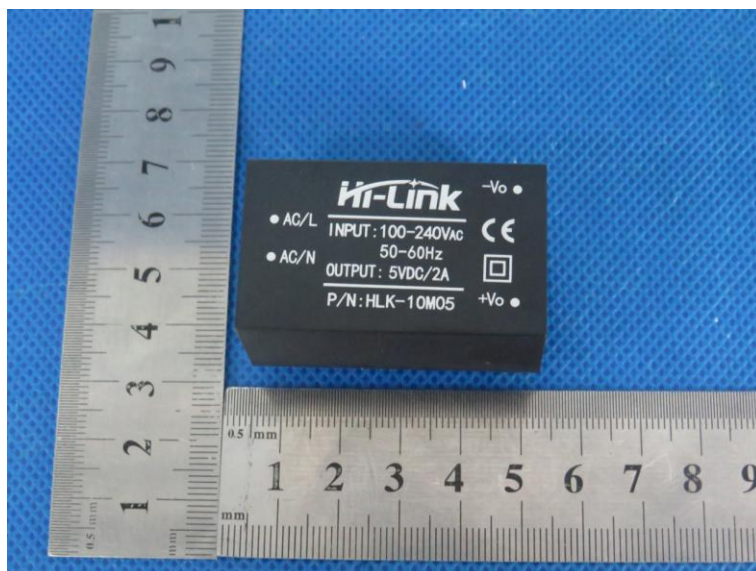
No.	Component	Issue Body	Report No.& Issue Date	Test Data(ppm)
13	Soldering	SGS	SH1900144-1/CHEM Date:2019/09/03	Cd: N.D Pb: N.D Hg: N.D Cr <sup>6+</sup> :N.D PBBS: N.D PBDES: N.D DEHP:N.D BBP:N.D DBP:N.D DIBP:N.D

**Remarks:**

- (1) This report is not a formal test report but only consolidating the test date listed above;
- (2) Test results are from other testing organizations. Shenzhen HTT Technology Co., Ltd.  
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- (3) The report shall not be reproduced in part without written approval of us.

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Photo(s) of the sample(s)



\*\*\* End of report \*\*\*