

Test Report

No. HKGEC1600277704

Date: 26 Apr 2016

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EIC SEMICONDUCTOR CO.,LTD

65,68 SOI CHALONGKUNG 31,I-EA-T FREE ZONE

LAT KRABAND INDUSTRIAL ESTATE,LUMPLATIEW LAT KRABANG

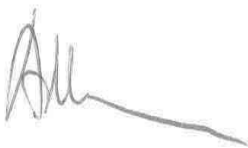
BANGKOK 10520

THAILAND

The following sample(s) was/were submitted and identified on behalf of the clients as : GLASS DIODES

SGS Job No. : 3335711 - HK
Manufacturer : EIC SEMICONDUCTOR CO., LTD.
Country of Origin : THAILAND
Country of Destination : THAILAND
Date of Sample Received : 06 Apr 2016
Testing Period : 06 Apr 2016 - 18 Apr 2016
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Signed for and on behalf of
SGS Hong Kong Limited.



Lam Ka Yung, Allen
Chemist

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	HKG16-002777.005	Transparent Glass w/ Coppery and Silvery Metal w/ Chip - Body
2	HKG16-002777.006	Metal w/ Silvery Plating (Base: Coppery Metal) - Pin

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 (3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
 (4) With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

Test Item(s)	Unit	MDL	005
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	194451
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (CrVI)	mg/kg	2	ND

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 (3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
 (4) With reference to IEC 62321-7-1:2015 , determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

Test Item(s)	Unit	MDL	006
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	5	12
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	µg/cm ²	0.1	ND

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Notes :

(1) ▼ =

- a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm². The sample coating is considered to contain CrVI
- b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-CrVI based coating
- c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive - unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

IEC 62321 series is equivalent to EN 62321 series

http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

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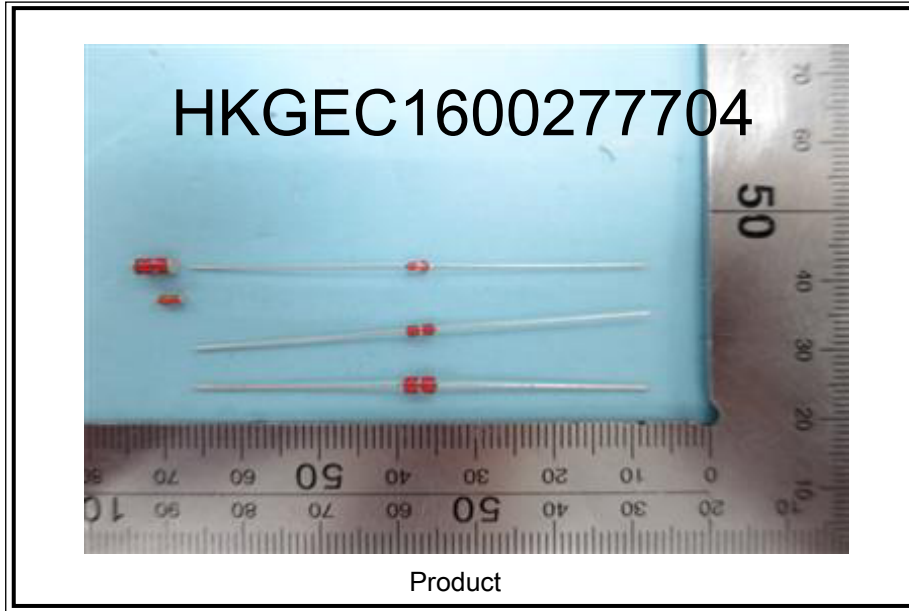
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Sample photo:



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SGS authenticate the photo on original report only

*** End of Report ***

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