

## Test Report

No. EC408311600

Date: Aug 05 2008

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MAYLOON ELECTRONIC CO..LTD  
17E, HOUSTON IND. BLDG.,  
32 - 40 WANG LUNG ST.,  
TSUEN WAN,  
N.T.  
HONG KONG

The following sample was submitted and identified on behalf of the client as :

CHIP SWITCHING DIODE

CD4148WTP (0603), CD4148WSP (0805), CD4148WP (1206).

CHIP ZENER DIODE

SZD55C4V7S-SZD55C36S (0805), SZD55C4V7-SZD55C36 (1206).

SGS Job No. : 1195811  
Manufacturer : MAYLOON  
Date of Sample(s) Received : JUL 23 2008  
Testing Period : JUL 23 - AUG 04 2008

Test Requested : Select test(s) as requested by client.  
Test Method : Please refer to next page(s).  
Test Result(s) : Please refer to next page(s).  
Conclusion : - Based on the performed tests on submitted sample, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of  
SGS Hong Kong Ltd.



Leung Wai Yin Jessica  
Section Manager

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### Test Results:

ID for sample 1 : 4083116S001

Description for sample 1 : White Ceramic w/Black Plastic w/ White Printing w/ Silvery Metal w/ Chips

### RoHS Directive 2002/95/EC

| <u>Test Item(s)</u>        | <u>Unit</u> | <u>Test Method</u>                      | <u>Results</u> | <u>MDL</u> | <u>Limit</u> |
|----------------------------|-------------|---|----------------|------------|--------------|
| Cadmium (Cd)               | mg/kg       | IEC 62321/2nd CDV (111/95/CDV), ICP-OES | n.d.           | 2          | 100          |
| Lead (Pb)                  | mg/kg       | IEC 62321/2nd CDV (111/95/CDV), ICP-OES | 21             | 2          | 1000         |
| Mercury (Hg)               | mg/kg       | IEC 62321/2nd CDV (111/95/CDV), ICP-OES | n.d.           | 2          | 1000         |
| Hexavalent Chromium (CrVI) | mg/kg       | IEC 62321/2nd CDV (111/95/CDV), UV-VIS  | n.d.           | 2          | 1000         |
| <b>Sum of PBBs</b>         | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | -          | 1000         |
| Monobromobiphenyl          | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Dibromobiphenyl            | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Tribromobiphenyl           | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Tetrabromobiphenyl         | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Pentabromobiphenyl         | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Hexabromobiphenyl          | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Heptabromobiphenyl         | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Octabromobiphenyl          | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Nonabromobiphenyl          | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Decabromobiphenyl          | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| <b>Sum of PBDEs</b>        | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | -          | 1000         |
| Monobromodiphenyl ether    | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Dibromodiphenyl ether      | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Tribromodiphenyl ether     | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Tetrabromodiphenyl ether   | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Pentabromodiphenyl ether   | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Hexabromodiphenyl ether    | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Heptabromodiphenyl ether   | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Octabromodiphenyl ether    | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Nonabromodiphenyl ether    | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |
| Decabromodiphenyl ether ## | mg/kg       | IEC 62321/2ndCDV (111/95/CDV), GC-MS    | n.d.           | 5          |              |

### Note :

- (1) mg/kg = ppm; 0.1%wt = 1000ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
- (5) - = Not regulated

### Halogen

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| <u>Test Item(s)</u> | <u>CAS-No.</u>  | <u>Unit</u> | <u>Test Method</u>  | <u>Results</u> | <u>MDL</u> |
|---------------------|-----------------|-------------|---------------------|----------------|------------|
| Fluorine (F)        | 007782-41<br>-4 | mg/kg       | BS EN14582:2007, IC | n.d.           | 50         |
| Chlorine (Cl)       | 007782-50<br>-5 | mg/kg       | BS EN14582:2007, IC | n.d.           | 50         |
| Bromine (Br)        | 007726-95<br>-6 | mg/kg       | BS EN14582:2007, IC | n.d.           | 50         |
| Iodine (I)          | 007553-56<br>-2 | mg/kg       | BS EN14582:2007, IC | n.d.           | 50         |

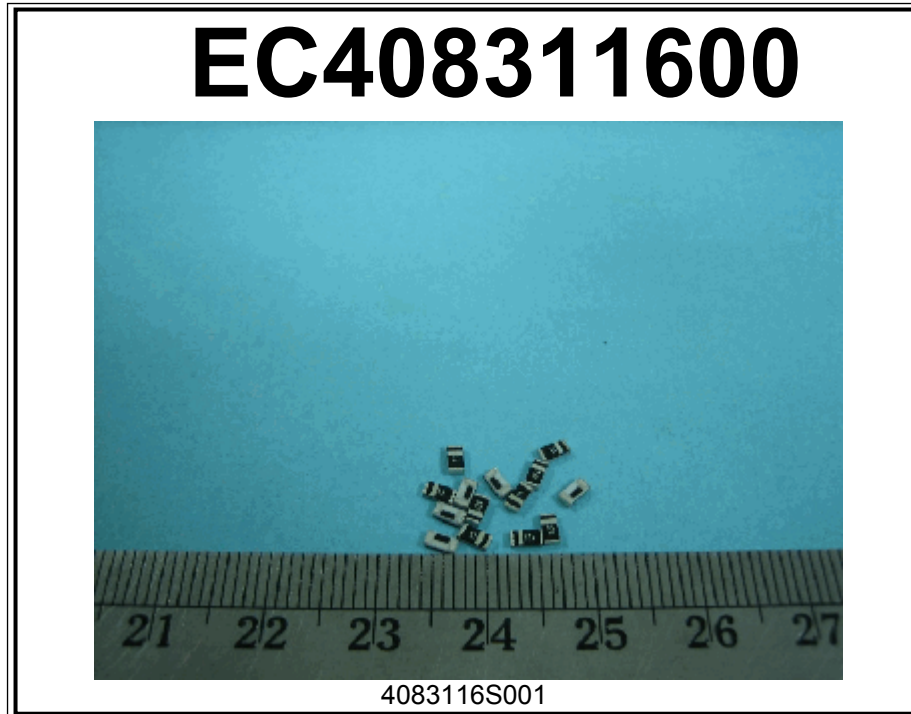
Note :

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Sample photo:



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\*\*\* End Of Report \*\*\*

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