



Test Report

No. 2018734/EC

Date : Jun 02 2005

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MULTICOMP PRODUCTS MANUFACTURED BY
 ROYAL ELECTRONIC FACTORY (THAILAND) CO., LTD
 20/1-2 MOO 2, KLONG-NA,
 MUANG CHACHOENGSAO 24000 THAILAND

Report on the submitted sample said to be PRECISION METAL FILM FIXED RESISTORS, 1/4W.

SGS Job No.	:	1734470
Buyer	:	PREMIER FARNELL ASIA PTE LTD
Supplier / Manufacturer	:	ROYAL ELECTRONIC FACTORY (THAILAND) CO., LTD
Sample Receiving Date	:	APR 04 2005
Testing Period	:	APR 05-11 2005

Test Requested : With reference to RoHS Directive 2002/95/EC

- 1) To determine the Cadmium content in the submitted sample.
- 2) To determine the Lead content in the submitted sample.
- 3) To determine the Mercury content in the submitted sample.
- 4) To determine the Hexavalent Chromium content on the submitted sample.
- 5) Determination of PBBs (polybrominated biphenyls), PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test Method : 1-3) In-House Method.
 The sample was digested by acid. Analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES) or Atomic Absorption Spectrometry.

- 4) As specified in EPA Method 3060A & 7196A.
 The sample was alkaline digested by using EPA Method 3060A, and then analyzed by using Colorimetric method 7196A.
- 5) With reference to SGS in-house method. Analysis was performed by GC/MS.

Test Results : 1-5) Please refer to next page.

Conclusion : 1-5) When tested as specified, the submitted sample complies with the requirements of RoHS Directive Consultation document on 2002/95/EC.

Signed for and on behalf of
 SGS Hong Kong Ltd


 Lee Fung Mei, Miranda
 Senior Manager

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Test Results :

Element	1	2	Limit of RoHS Consultant Document
1) Cadmium (Cd)	< 2 ppm	< 2 ppm	100 ppm
2) Lead (Pb)	9 ppm	7 ppm	1000 ppm
3) Mercury (Hg)	< 2 ppm	< 2 ppm	1000 ppm
4) Hexavalent Chromium (Cr ⁶⁺)	< 2 ppm	< 2 ppm	1000 ppm

(Results shown are of the total weight of samples)

Note : < = Less than
ppm = mg/kg

5)

Flame Retardants	1	2	Detection Limit	Limit of RoHS Consultant Document
Polybrominated Biphenyls (PBBs)	ND	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	ND	5 ppm	--
Dibromobiphenyl	ND	ND	5 ppm	--
Tribromobiphenyl	ND	ND	5 ppm	--
Tetrabromobiphenyl	ND	ND	5 ppm	--
Pentabromobiphenyl	ND	ND	5 ppm	--
Hexabromobiphenyl	ND	ND	5 ppm	--
Heptabromobiphenyl	ND	ND	5 ppm	--
Octabromobiphenyl	ND	ND	5 ppm	--
Nonabromobiphenyl	ND	ND	5 ppm	--
Decabromobiphenyl	ND	ND	5 ppm	--
Polybrominated Diphenylether (PBDEs)	ND	ND	50 ppm	1000 ppm
Monobromodiphenyl ether	ND	ND	5 ppm	--
Dibromodiphenyl ether	ND	ND	5 ppm	--
Tribromodiphenyl ether	ND	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	ND	5 ppm	--
Pentabromodiphenyl ether	ND	ND	5 ppm	--
Hexabromodiphenyl ether	ND	ND	5 ppm	--
Heptabromodiphenyl ether	ND	ND	5 ppm	--
Octabromodiphenyl ether	ND	ND	5 ppm	--
Nonabromodiphenyl ether	ND	ND	5 ppm	--
Decabromodiphenyl ether	ND	ND	5 ppm	--

Note: ND = Not Detected
Non-detected is lower than detection limit value.

Sample Description:

1. White Ceramic w/ Blue Coating w/ Multicolour Printing
2. Silvery Metal

Remark : Photo appendix is included

*** End of Report ***

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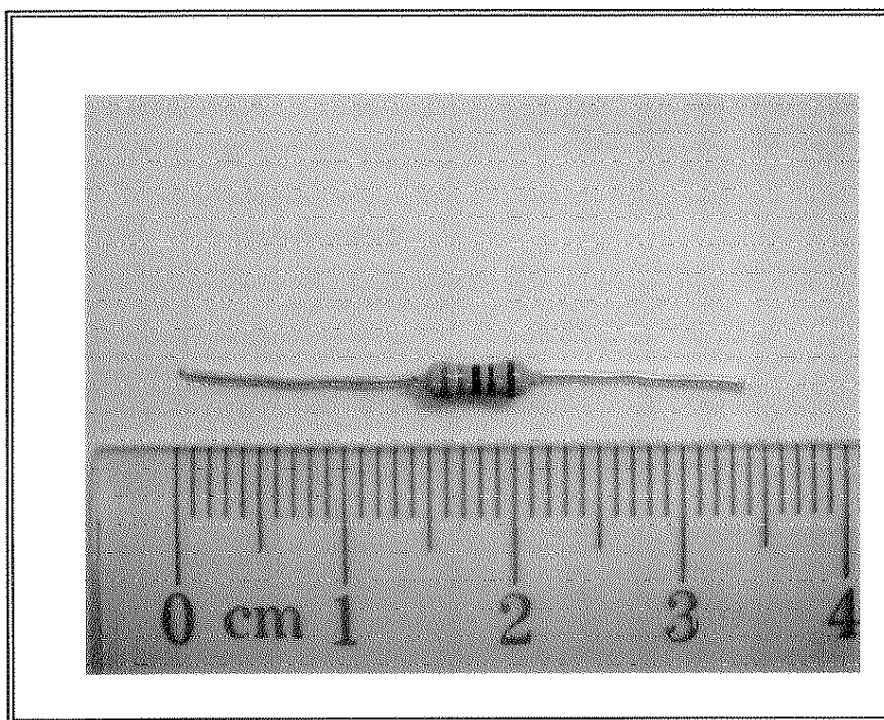
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Test Report No. : 2018734EC

Sample Receiving Date : MAR 29 2005

PHOTO APPENDIX



SGS authenticate the photo on original report only

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Authorized Signature
Ho Ka Ting, Family
Laboratory Executive

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