PS9905, PS9924

SEMKO Certificate

Standard

EN 60065, IEC 60065

EN 60950, IEC 60950

Reference No.

1122994

H.TAKAHASHI

Department Manager
Optical Device Engineering
Technical Marketing Department
Compound Semiconductor Devices Business Division
Analog & Power Devices Business Unit
Renesas Electronics Corporation



Certificate



Reference No. 1122994

Optoinsulator for bridging of reinforced insulation

Type designation

PS9905, PS9924

Certificate holder

Renesas Electronics Corporation Compound Semiconductor Devices Quality Assurance Department 1753, Shimonumabe, Nakahara-ku Kawasaki, Kanagawa 211-8668

JAPAN

The product complies with

the standard(s)

EN 60065:2002+A1+A11+A2+A12 EN 60950-1:2006 and A11+A1+A12

IEC 60065:2001 and A1-A2 IEC 60950-1:2005 and A1

Date of expiry

13 December 2016

Additional information in Appendix.

Certification Body

Intertek Semko AB, Product Certification

Place

Kista - Stockholm

Signed

Niclas Lood

Date

13 December 2011 Page 1 of 3

This certificate is issued in accordance with the terms and conditions set out in the Appendix.





Reference No. 1122994

Technical data

Type designation

PS9905, PS9924

Note The samples is marked 9905 respectively 9924.

For a RMS working voltage up to 725V, pollution degree 2 and material group IIIa or IIIb. Max operating temperature 110°C

The following tests have been performed with positive result:

General

- Creepage distance between input and output: >14.5mm
- Distance through insulation : >0.4 mm
- Internal creepage distance not measured, tests according to EN 60950 2.10.11 have been performed with positive result.
- Humidity test: 48h. in 93% relative humidity. Electric strength test 3000 V/1 min.

Special tests according to EN 60950

• Thermal cycling test. 10 cycles. Each cycle: 68 h in 110°C, 1 h in 25°C, 2h in 0°C and 1h in 25°C. After the cycling test a humidity test for 48 h in 93% relative humidity. Electric strength test between input and output 5000 V/1 minute

After judgement from case to case, the opto-insulator can bridge basic, supplementary, double or reinforced insulation, provided that the ratings in data sheet are not exceeded in normal operation or under fault conditions in the appliance.

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1





Reference No. 1122994

Manufacturing site(s)

Kyushu Denshi Co., Ltd. 89, Nagasaki Shiranui-machi Uki-shi Kumamoto 869-0562 JAPAN

Certification Body

Intertek Semko AB, Product Certification

Place Kista - Stockholm

Signed

Niclas Lood

Date

13 December 2011

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Page 3 of 3