

**PS8501, PS8502, P8551L4, PS9513,
PS9551L4, PS9552, PS9587**

● **BSI Certificate**


Standard BS EN 60065:2002+A12:2011
 BS EN 60950-1:2006+A12:2011

Certificate No. 8937
 8938



H.TAKAHASHI

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

Certificate No	8937
This is to certify that	Optocoupler types as listed in the schedule to this certificate
Submitted by	Renesas Electronics Corporation 1753 Shimonumabe Nakahara-ku Kawasaki Kanagawa 211-8668 Japan
	Have been tested by BSI in accordance with CP0322 and Test Leaflet 5 to BS EN 60065:2002+A12:2011 Sub-clauses 13.1, 13.4, 13.6 14.11 and 20.1.4
	Details of the scope of the testing are given in BSI Report TR/12/319 and any addenda thereto.
Signed	
Issue date	23 August 2012
Expiry date	29 October 2014
	Attention is drawn to the conditions under which this certificate is issued, namely:
1.	The Conditions of Contract for Testing (CP0322) and the specific conditions (Test Leaflet No TL5 or TL22 as stated above) apply in all respects.
2.	This certificate may not be published except in full including any schedule unless permission for the publication of an approved extract has been obtained in writing from the Managing Director of Testing Services
3.	This certificate is valid until the expiry date shown above. It shall then be considered cancelled and withdrawn and shall not be used in any way whatsoever.
4.	If BSI is satisfied that the manufacturer is marketing what is purporting to be the same model of component but which has been altered or modified or is in any material aspect different from the item tested or is satisfied in respect of evidence discovered by or submitted to it that components purported to be identical to that originally certified are no longer meeting any part of the requirements of the original examination and tests then the certificate will be immediately withdrawn and shall not be used in any way whatsoever.

Schedule to Test Certificate No 8937
Schedule Issue date 23 August 2012
Test certificate expiry date 29 October 2014



Optocoupler types:

PS8501**, **PS8502****, **PS9513****, **PS9552****, **PS9587****, **PS8551L4** and **PS9551L4**

**** - Including L1, L2 and L3 Lead Form Variants**

As rated below:

1.	Insulation system:	Reinforced
2.	Mains supply voltage:	≤ 250 V r.m.s.
3.	Operating voltage:	≤ 400 V r.m.s.
4.	Peak operating voltage:	1400 V
5.	Pollution degree:	2
6.	Flammability category:	V-0
7.	Maximum operating temperature:	
	(PS8501 / PS8502 / PS9513 / PS9552)	100 °C
	(PS9587 / PS8551L4 / PS9551L4)	85 °C

This schedule must be read in conjunction with the test certificate identified above and may not be published except in full including the certificate.

Prepared by: BSI Appliances, Holywell Park, Ashby Road, Loughborough LE11 3AQ.

Test Certificate

Electronic Components



Certificate No	8938
This is to certify that	Optocoupler types as listed in the schedule to this certificate
Submitted by	Renesas Electronics Corporation 1753 Shimonumabe Nakahara-ku Kawasaki Kanagawa 211-8668 Japan
	Have been tested by BSI in accordance with CP0322 and Test Leaflet 5 to BS EN 60950-1:2006 + A12:2011 Sub-clauses 2.9.1, 2.9.2, 2.10.1, Annex G.1.1, Annex G.6, 2.10.4, 2.10.4.3, 2.10.5.2, 2.10.9, 2.10.10, 2.10.11, 2.10.12, 4.7.3.4 (Clauses A.2.1 – A.2.7) and 5.2.2
	Details of the scope of the testing are given in BSI report TR/12/319 and any addenda thereto.
Signed	
Issue date	23 August 2012
Expiry date	29 October 2014
	Attention is drawn to the conditions under which this certificate is issued, namely:
1.	The Conditions of Contract for Testing (CP0322) and the specific conditions (Test Leaflet No TL5 or TL22 as stated above) apply in all respects.
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4.	If BSI is satisfied that the manufacturer is marketing what is purporting to be the same model of component but which has been altered or modified or is in any material aspect different from the item tested or is satisfied in respect of evidence discovered by or submitted to it that components purported to be identical to that originally certified are no longer meeting any part of the requirements of the original examination and tests then the certificate will be immediately withdrawn and shall not be used in any way whatsoever.

Schedule to Test Certificate No 8938
Schedule Issue date 23 August 2012
Test certificate expiry date 29 October 2014



Optocoupler types:

PS8501, PS8502**, PS9513**, PS9552**, PS9587**, PS8551L4 and PS9551L4**

**** - Including L1, L2 and L3 Lead Form Variants**

As rated below:

1.	Insulation system:	Reinforced
2.	Mains supply voltage:	≤ 400 V r.m.s.
3.	Working voltage:	≤ 400 V r.m.s.
4.	Peak working voltage:	1400 V
5.	Overvoltage category:	II
6.	Pollution degree:	2
7.	Sub-clause 4.7.3.4 (Clause A.2.7):	Pass
8.	Maximum operating temperature:	
	(PS8501 / PS8502 / PS9513 / PS9552)	100 °C
	(PS9587 / PS8551L4 / PS9551L4)	85 °C

This schedule must be read in conjunction with the test certificate identified above and may not be published except in full including the certificate.

Prepared by: BSI Appliances, Holywell Park, Ashby Road, Loughborough LE11 3AQ