

**PS8302, PS8501, PS8502, PS8551L4, PS9303,
PS9305, PS9306, PS9307, PS9308, PS9309,
PS9313, PS9317, PS9351, PS9402, PS9505,
PS9506, PS9513, PS9551L4, PS9552, PS9587**

● **CSA Certificate**

Certificate No 2003984(CA 101391)



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Compound Semiconductor Devices Business Division
Analog & Power Devices Business Unit
Renesas Electronics Corporation



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 2003984 (CA 101391)

Master Contract: 191330

Project: 2421635

Date Issued: July 6, 2011

Issued to: Renesas Electronics Corporation
1753 Shimonumabe, Nakahara-ku
Kawasaki-shi, Kanagawa, 211-8668
Japan
Attention: Kiyoshi Fukushima

The products listed below are eligible to bear the CSA Mark shown with adjacent indicator



Martin Buchanan

Issued by: Martin Buchanan, P. Eng.

PRODUCTS

CLASS 9073 30 - ELECTRONIC COMPONENTS - Optoisolators

Component Acceptance of Optoisolators:

Part A

Device	Ratings (kV) (C)	Stds/Notices	Internal		External	
			Creep(mm)	DistThru(mm)	Creep/Clear(mm)	
PS8302L	5.0 110	CSA CA5A,	-	> 0.4		7.0
PS8302L2	110	60950-1-07				8.0
PS9301L	110	60065:03 AM1				7.0
PS9301L2	110	IEC 60950-1, 2nd Ed.				8.0
PS9302L	100	IEC 60065 7th Ed. AM1				7.0
PS9303L	100					7.0
PS9303L2	100					8.0
PS9305L	110					7.0



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PS9305L2	110	8.0
PS9306L	110	7.0
PS9306L2	110	8.0
PS9307L	125	7.0
PS9307L2	125	8.0
PS9308L	110	7.0
PS9308L2	110	8.0
PS9309L	110	7.0
PS9309L2	110	8.0
PS9313L	110	7.0
PS9313L2	110	8.0
PS9317L	85	7.0
PS9317L2	85	8.0
PS9324L	110	7.0
PS9324L2	110	8.0
PS9351L	100	7.0
PS9351L2	100	8.0

with possible suffixes, -1 to -4, E3, E4, F3, F4 followed by V. Prefix PS may or may not be used. Models with L2 suffix have wider lead spacing.

Notes:

1. Reinforced Requirements of CSA 60950-1-07, CSA 60065:03 Incl. AM1 and IEC 60950-1, 2nd Ed. and IEC 60065 7th Ed. Incl. AM 1 have been met for 350Vrms for 7mm versions and 400Vrms for 8mm versions.

2. Evaluated by thermal cycling.

These devices are Component Accepted as components for use in other equipment where the suitability of the combination may be determined by investigation in the final application.

Part B



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Device	Ratings (kV) (C)	Stds/Notices	Internal Creep(mm) DistThru(mm)	External Creep/Clear(mm)
PS9401-2	5.0 100	CSA CA5A,	- > 0.4	> 8.0
PS9402	110	60950-1-07		
PS9451	85	60065:03 AM1 IEC 60950-1, 2nd Ed. IEC 60065 7th Ed. AM1		

with possible suffixes, -1 to -4, E3, E4, F3, F4 followed by V. Prefix PS may or may not be used.

Notes: Reinforced Requirements of CSA 60950-1-07, 60065:03 Incl. AM1 and IEC60950-1, 2nd Ed. And IEC 60065 7th Ed. Incl. AM 1 have been addressed for 400Vrms.

These devices are Component Accepted as components for use in other equipment where the suitability of the combination may be determined by investigation in the final application.

Part C

Device	Ratings (kV) (C)	Stds/Notices	Internal Creep(mm) DistThru(mm)	External Creep/Clear(mm)
PS8501	5.0 100	CSA CA5A,	- > 0.4	7.0
PS8501L1	100	60950-1-07		8.0
PS8501L2	100	60065:03 AM1		8.0
PS8501L3	100	IEC 60950-1, 2nd Ed.		7.0
PS8502	100	IEC 60065 7th Ed. AM1		7.0
PS8502L1	100			8.0
PS8502L2	100			8.0
PS8502L3	100			7.0
PS9513	100			7.0
PS9513L1	100			8.0



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PS9513L2	100	8.0
PS9513L3	100	7.0
PS9587	85	7.0
PS9587L1	85	8.0
PS9587L2	85	8.0
PS9587L3	85	7.0
PS8551L4	85	8.0
PS9551L4	85	8.0
PS9552	100	7.0
PS9552L1	100	8.0
PS9552L2	100	8.0
PS9552L3	100	7.0
PS9505	110	7.0
PS9505L1	110	8.0
PS9505L2	110	8.0
PS9505L3	110	7.0

with optional suffixes -1 to -4, E3, E4, F3, F4 followed by V. Prefix PS may or may not be used.

Notes:

1. Reinforced Requirements of CSA 60950-1-07, CSA 60065:03 Incl. AM1 and IEC 60950-1, 2nd Ed. and IEC 60065 7th Ed. Incl. AM 1 have been met for 350Vrms for 7mm versions and 400Vrms for 8mm versions.

2. Evaluated by thermal cycling.

These devices are Component Accepted as components for use in other equipment where the suitability of the combination may be determined by investigation in the final application.

Part D

Device	Ratings	Stds/Notices	Internal	External
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	(kV)	(C)	Creep(mm)	DistThru(mm)	Creep/Clear(mm)	
PS9553	5.0	100	CSA CA5A,	-	> 0.4	7.0
PS9553L1		100	60950-1-07			8.0
PS9553L2		100	60065:03 AM1			8.0
PS9553L3		100	IEC 60950-1, 2nd Ed.			7.0
PS9506		110	IEC 60065 7th Ed. AM1			7.0
PS9506L1		110				8.0
PS9506L2		110				8.0
PS9506L3		110				7.0

with optional suffixes -1 to -4, E3, E4, F3, F4 followed by V. Prefix PS may or may not be used.

Notes:

1. Reinforced Requirements of CSA 60950-1-07, CSA 60065:03 Incl. AM1, IEC 60950-1 2nd Ed. and IEC 60065 7th Ed. Incl. AM1 have been met for 250Vrms.

2. Evaluated by thermal cycling.

These devices are Component Accepted as components for use in other equipment where the suitability of the combination may be determined by investigation in the final application.

APPLICABLE REQUIREMENTS

Component Acceptance Notice 5A (CA 5A) - Announcement of Extension of the Component Acceptance Service for Optocouplers and Related Devices

In addition please see notes for specific models which may meet basic or reinforced requirements of the following standards:

CAN/CSA-C22.2 No. 60950-1-07 - Information Technology Equipment - Safety - Part 1: General Requirements (Bi-national Standard, with UL 60950-1)

CAN/CSA C22.2 No. 60065:03 Incl. AM1 - Audio, Video and Similar Electronic Apparatus - Safety Requirements

IEC 60950-1 2nd Ed. - Information Technology Equipment - Safety - Part 1: General Requirements



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IEC 60065 7th Ed. Incl. AM1
Requirements

- Audio, Video and Similar Electronic Apparatus - Safety