

# NEC

**Safety Standard Certificate for Photocoupler**

## PS9817A-1/1-2



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● **CSA Certificate**

Certificate No. 2079827(CA 101391)

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A handwritten signature in black ink, appearing to read 'H. Takahashi', written over a horizontal line.

H.TAKAHASHI

Group Manager  
Optical Device Sales Engineering Group  
Compound Semiconductor Devices Division  
NEC Electronics Corporation

**February 24, 2009**



CSA INTERNATIONAL

# Certificate of Compliance

Certificate: 2079827 (CA 101391)

Master Contract: 191330

Project: 2079827

Date Issued: 2008/10/16

Issued to: NEC Electronics Corporation  
Compound Semiconductor Devices  
Division  
1753 Shimonumabe, Nakahara-ku,  
Kawasaki-shi, Kanagawa, 211-8668  
Japan  
Attention: Mr. Kiyoshi Fukushima

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



Issued by: Martin Buchanan, P. Eng.

Authorized by: George Tranquada, C.E.T.  
Product Group Manager

## PRODUCTS

**CLASS 9073 30** - ELECTRONIC COMPONENTS - Optoisolators

Component Acceptance of Optoisolators:

Device	Rating(kV)	Stds/Notices	Internal	External
			Creep(mm)	DistThru(mm) Creep(mm)

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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PS9817A-1 2.5 CSA CA5A, - 0.2 4.0  
PS9817A-2 60950-1-07,  
60065:03 AM1,  
IEC60950-1 2nd Ed.,  
IEC60065 7th Ed. AM1

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

Note: Basic and supplementary insulation 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 300Vrms.

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**

Basic and supplementary insulation requirements of the following have been met:

- Component Acceptance Notice 5A (CA 5A) - Announcement of Extension of the Component Acceptance Service for Optocouplers and Related Devices
- 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
- IEC 60065 7th Ed. Incl. AM1 - Audio, Video and Similar Electronic Apparatus - Safety Requirements