

# NEC

**Safety Standard Certificate for Photocoupler**

**PS2801, PS2801C, PS2802, PS2805, PS2805C, PS2806,  
PS2832, PS2833, PS2861, PS2865**



● **CSA Certificate**

Certificate No. 1645047(CA 101391)

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

**August 21, 2008**



GSA INTERNATIONAL

# Certificate of Compliance

Certificate: 1645047 (CA 101391)

Master Contract: 191330

Project: 2047847

Date Issued: 2008/05/30

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

Opto-isolator, Types series PS2801, PS2801C, PS2802, PS2805, PS2805C, PS2806, PS2832, PS2833, PS2861 and PS2865 with suffix '#'.

Isolation voltage between input and output: 2.5kV ac rms.

Maximum operating temperature: +100 C



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**Notes:**

1. Suffix '#' indicates -1 through -4 denoting the number of the devices set in array inside of the opto-isolator.
2. These devices are Component Accepted as components for use in other Certified equipment where the suitability of the combination shall be determined by investigation in the final application.
3. The above components except for PS2861 and PS2865 are suitable only for use for the functional, basic or supplementary insulation for CSA Stds. No. 1-04, 60065:03 Incl. AM1, 60950-1-07 and IEC 60065 7th Ed Incl. AM1 and IEC 60950-1 2nd Ed. where the operating or working voltage is 250Vrms or less.
4. PS2861 and PS2865 are suitable for reinforced insulation for CSA Stds. No. 1-04, 60065:03 Incl. AM1 and 60950-1-07 and IEC 60065 7th Ed Incl. AM1 and IEC 60950-1 2nd Ed. where the operating or working voltage is 125Vrms or less (for production units after July 1, 2005).

**APPLICABLE REQUIREMENTS**

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

Functional, Basic and Supplementary Requirements of the following standards for working voltages of 250V or less:

CSA-C22.2 No. 1-04 - Audio, Video and Similar Electronic Equipment

CAN/CSA 60065:03 Incl. AM 1 - Audio, Video and Similar Electronic Apparatus □ Safety Requirements

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

IEC 60065 7th Ed. Incl. AM1 - Audio, Video and Similar Electronic Apparatus □ Safety Requirements

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

In Addition For PS2861 and PS2865 (for production units after July 1, 2005) only:

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

Reinforced Requirements of the following standards for working voltages of 125V or less:



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CSA-C22.2 No. 1-04 - Audio, Video and Similar Electronic Equipment

CAN/CSA 60065:03 Incl. AM1 - Audio, Video and Similar Electronic Apparatus □ Safety Requirements

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

IEC 60065 7th Ed. Incl. AM 1 - Audio, Video and Similar Electronic Apparatus □ Safety Requirements

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