

# NEC

## Safety Standard Certificate for Photocoupler

### PS27xx-1



#### ● BSi Certificate

Standard            BS EN 60065, IEC 60065  
                          BS EN 60950, IEC 60950

Certificate No.    8219  
                          8220

A handwritten signature in black ink, appearing to read 'T. Nakano'.

T. NAKANO

Group Manager  
Sales Engineering Group Sales Division  
NEC Compound Semiconductor Devices, Ltd.

**April 14, 2004**

# Test Certificate

Electronic components



Product Services

Certificate No

8219

This is to certify that

Small outline package (SOP) optocouplers type PS27XX-X series as listed in the schedule to this certificate

Submitted by

NEC Compound Semiconductor Devices Ltd  
1753 Shimonumabe  
Nakahara-Ku  
Kawasaki-shi  
Kanagawa 211-8666  
Japan

Have been tested and certified by BSI in accordance with PS082 and Test Leaflet 5 to BS EN 60065:2002 and IEC 60065:2001 Sub-clauses 13.6, 14.11 and 20.1.4

Details of the scope of the certification are given in BSI Report No 245/000579 and any addenda thereto.

Signed

Issue date

16 December 2003

Expiry date

15 December 2005

Attention is drawn to the conditions under which this certificate is issued, namely:

1. The general conditions relating to acceptance of testing (PS082) 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 This certificate may not be published except in full including any schedule unless permission for the publication of an approved extract has been obtained in writing from the General Manager of BSI Product 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 It shall then be considered cancelled and withdrawn and shall not be used in any way whatsoever.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 the 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meeting any part of the requirements of the original examination and tests then the certificate will be immediately withdrawn and shall not be used in any way whatsoever.



0135

Prepared by: BSI Product Services Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SQ

Schedule to Test Certificate No  
Schedule issue date  
Test Certificate expiry date

8219  
16 December 2003  
15 December 2005

Small outline package (SOP) optocoupler PS27XX-X series types:

PS2701-1  
PS2702-1  
PS2703-1  
PS2705-1  
PS2706-1  
PS2707-1  
PS2732-1  
PS2733-1

Rated as follows:

- |                                   |              |
|-----------------------------------|--------------|
| 1. Insulation system:             | Basic        |
| 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 rating:  | V-0          |
| 7. Maximum operating temperature: | 100° 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.

# Test Certificate

Electronic components



Product Services

Certificate No 8220

This is to certify that Small outline package (SOP) optocouplers type PS27XX-X series as listed in the schedule to this certificate

Submitted by NEC Compound Semiconductor Devices Ltd  
1753 Shimonumabe  
Nakahara-Ku  
Kawasaki-shi  
Kanagawa 211-8666  
Japan

Have been tested and certified by BSI in accordance with PS082 and Test Leaflet 5 to BS EN 60950:2000 and IEC 60950:1999 Sub-clauses 2.9.1, 2.10.1, 2.10.7, 2.10.8, 4.7.3.4 (Clause A6) and 5.2.2

Details of the scope of the certification are given in BSI Report No 245/000579 and any addenda thereto..

Signed

Issue date 16 December 2003

Expiry date 15 December 2005

Attention is drawn to the conditions under which this certificate is issued, namely:

1. The general conditions relating to acceptance of testing (PS082) 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 General Manager of BSI Product 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 the 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.

Prepared by: BSI Product Services Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SQ

Schedule to Test Certificate No  
Schedule issue date  
Test Certificate expiry date

8220  
16 December 2003  
15 December 2005

Small outline package (SOP) optocoupler PS27XX-X series types:

PS2701-1  
PS2702-1  
PS2703-1  
PS2705-1  
PS2706-1  
PS2707-1  
PS2732-1  
PS2733-1

Rated as follows:

1.	Insulation system:	Basic
2.	Mains supply voltage:	300 V r.m.s.
3.	Working voltage:	400 V r.m.s.
4.	Peak working voltage:	1400 V
5.	Pollution degree:	2
6.	Flammability classification rating:	V-0
7.	Maximum operating temperature:	100° 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.