

# NEC

## Safety Standard Certificate for Photocoupler

### PS2832



#### ● BSi Certificate

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

Certificate No.    8315  
                          8316

A handwritten signature in black ink, appearing to read 'T. Nakano', written over a horizontal line.

T. NAKANO

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

**September 15, 2004**

# Test Certificate

Electronic components



Certificate No 8315

This is to certify that Optocoupler types 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-clause 13.6, 14.11 and 20.1.4

Details of the scope of the certification are given in BSI Report No 245/005121 and any addenda thereto.

Signed

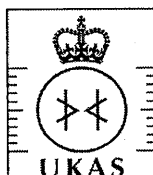
A handwritten signature in black ink, appearing to read 'Houther', enclosed in a simple oval scribble.

Issue date 21 July 2004

Expiry date 20 July 2006

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 This certificate may not be published except in full including any schedule unless permission for the publication of an approved extract has been obtained in writing from the General Manager of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 It shall then be considered cancelled and withdrawn and shall not be used in any way whatsoever.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meeting any part of the requirements of the original examination and tests then the certificate will be immediately withdrawn and shall not be used in any way whatsoever.



Schedule to Test Certificate No 8315  
Schedule issue date 21 July 2004  
Test Certificate expiry date 20 July 2006



Optocoupler types: PS2832-1  
PS2832-4

1.	Insulation system:	Basic
2.	Mains supply voltage:	$\leq 250$ V r.m.s.
3.	Operating voltage:	$\leq 400$ V r.m.s.
4.	Peak operating voltage:	1400 V peak
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.

# Test Certificate

Electronic components



Certificate No 8316  
This is to certify that Optocoupler types 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 60950-1:2002 and IEC 60950-1:2001 Sub-clause 2.9.1, 2.10.1, 2.10.7, 2.10.8,4.7.3.4 (Clause A.2.7) and 5.2

Details of the scope of the certification are given in BSI Report No 245/005121 and any addenda thereto.

Signed

A handwritten signature in black ink, appearing to read 'Howson', enclosed within an oval-shaped scribble.

Issue date 21 July 2004

Expiry date 20 July 2006

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.
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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.

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

8316  
21 July 2004  
20 July 2006



Optocoupler types: PS2832-1  
PS2832-4

1.	Insulation system:	Basic
2.	Mains supply voltage:	$\leq 400$ V r.m.s.
3.	Working voltage:	$\leq 400$ V r.m.s.
4.	Peak working voltage:	1400 V peak
5.	Pollution degree:	2
6.	Sub-clause 4.7.3.4 (Clause A.2.7):	Pass
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.