



Certificate

Product Safety

- with the right to S marking

Reference No.

0134082/01-08

Optoinsulator for bridging of reinforced insulation

Type designations

H11....., TIL1., MC....., SL....., CNY17-., 4N., MOC....., SOC.....

Certificate holder/
manufacturer

FAIRCHILD SEMICONDUCTOR
3001 Orchard Parkway
San Jose, CA 95134
UNITED STATES

Technical data

See Appendix 1

The product complies with
the standard(s)

EN 60065:1998/IEC 60065, 6:th Edition, 1998
EN 60950:1992 with Amendments A1:1993, A2:1993,
A3:1995, A4:1997 and A11:1997 (IEC 60950, second
Edition, 1991 with Amendments 1:1992, 2:1993, 3:1995
and 4:1996)

Date of expiry

31 December 2011

Terms and additional information in SEMKO's Agreement on certification and in Appendix 1.

Certification body:

SEMKO AB, Product Certification

Place: Kista - Stockholm

Signed:

Date: 8 October 2001

Fredrik Wennersten



SEMKO

ITS Intertek Testing Services
ETL SEMKO



Appendix

Reference No. 0134082/01-08

Technical data

Item No. 01 Type designation: H11....
Item No. 02 Type designation: TIL1..
Item No. 03 Type designation: MC....
Item No. 04 Type designation: SL....
Item No. 05 Type designation: CNY17-..
Item No. 06 Type designation: 4N..
Item No. 07 Type designation: MOC....
Item No. 08 Type designation: SOC....

The following tests have been performed with positive result:

General

- Creepage distance between input and output : >8 mm
- Distance through insulation : ≥ 0.5 mm
- Humidity test : 48h. in 93% relative humidity. Electric strength test 3750 V/1 min.
- Internal creepage distance not measured, tests according to EN 60950 2.9.6 have been performed with positive result.

Special tests according to EN 60950

- Thermal cycling test. 10 cycles. Each cycle : 68 h in 100°C, 1 h in 25°C, 2 h in 0°C and 1 h in 25°C.
After the cycling test a humidity test for 48 h in 93% relative humidity.
Electric strength test between input and output 5000 V/1 minute.

After judgement from case to case, the opto-insulator can bridge basic, supplementary, double or reinforced insulation, provided that the ratings in data sheet are not exceeded in normal operation or under fault conditions in the appliance.

Manufacturing site(s)

LITE-ON ELECTRONICS (THAILAND) CO., LTD.
38/4 Moo 1, Ransit-Ongkarak Road
Bungyeetoh, Tanyaburi
Pathumthani 12130
THAILAND

Replaces previously issued Appendix dated 8 October 2003.
A new Appendix has been issued on account of changed manufacturing site.



Appendix

Reference No. 0134082/01-08

The following types are included:

Device family	Device types
H11AX	H11A1, H11A2, H11A3, H11A4, H11A5, H11AV1, H11AV2, H11AV2A, H11AV3, TIL111, TIL112, TIL116, TIL117, TIL126, MCT2, MCT2E, MCT271, MCT272, MCT273, MCT274, MCT275, SL5501, H11A550, H11A520, CNX35, CNX36, CNX82, CNX83, CNY17-1, CNY17-2, CNY17-3, 4N25, 4N25A, 4N26, 4N27, 4N28, 4N35, 4N36, 4N37, 4N38, 4N38A, MOC8100
H11AXK	MOC8101, MOC8102, MOC8103, MOC8104, MOC8105, MOC8106, MOC8107, MOC8108, MOC8111, MOC8112, MOC8113
H11AAX	H11AA1, H11AA2, H11AA3, H11AA4
H11BX	H11B1, H11B2, H11B3, TIL113, 4N29, 4N29A, 4N30, 4N31, 4N32, 4N32A, 4N33, MCA231, MCA250, MCA255, MOC8080
H11B XK	MOC8020, MOC8021, MOC8030, MOC8050, MOC119
H11GX	H11G1, H11G2, H11G3
H11DX	H11D1, H11D2, MOC8204
H11PX/ZX	MOC3009, MOC3010, MOC3011, MOC3012, MOC3020, MOC3021, MOC3022, MOC3023, MOC3051, MOC3052, MOC3031, MOC3032, MOC3033, MOC3041, MOC3042, MOC3043, MOC3061, MOC3062, MOC3063, MOC3162, MOC3163, MOC3081, MOC3082, MOC3083,
H11LX/NX	H11L1, H11L2, H11L3, MOC5007, MOC5008, MOC5009, H11N1, H11N2, H11N3
SOC....	SOC.... See NOTE

NOTE: SOC.... Represents Special Opto Couplers. The only difference is electrical screening where "." can be any number from 0 to 9, letter or none.

Kista/Stockholm

Fredrik Wennersten

15 January 2004