

Certificate



for European Product Safety

Reference No. 1024922

Optocoupler

Type designation FOD814, FOD815, FOD816, FOD817, FOD617, FOD852, FOD814A, FOD817A, FOD817B, FOD817C, FOD817D, FOD617A, FOD617B, FOD617C, FOD617D, FOD817X

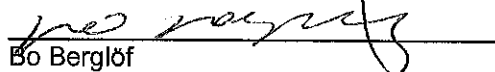
Certificate holder **Fairchild Semiconductor**
3030 Orchard Parkway
San Jose, CA 95134
UNITED STATES

The product complies with the standard(s) EN 60065:2002, A1 and A11
EN 60950-1:2006 and A11+A1

Date of expiry 1 October 2013

Additional information in Appendix.

Certification Body Intertek Semko AB, Product Certification *Place* Kista - Stockholm

Signed 
Bo Berglöf *Date* 17 November 2010
Page 1 of 2

This certificate is issued in accordance with the terms and conditions set out in the Appendix.

**Intertek
Appendix**

Reference No. 1024922

Technical data

Type designation FOD814, FOD815, FOD816, FOD817, FOD617, FOD852, FOD814A, FOD817A, FOD817B, FOD817C, FOD817D, FOD617A, FOD617B, FOD617C, FOD617D, FOD817X
F

Brand name:

Product information Operating temperature max. 115 °C

The following tests have been performed with positive result:

- Distance through insulation between input and output is more than 0.4 mm; measured a minimum of 0.6 mm.
- External creepage distances/clearances between input and output are more than 5 mm/4 mm; measured a minimum of 7.8 mm / 7.8 mm.
- Internal creepage distances between input and output are more than 4 mm; measured a minimum of 5.2 mm.
- Insulation between the input and output withstands electric strength test of 3000 V/1 minute; it withstands also electric strength test of 5000 V/1 minute.
- Enclosure of the component withstands electric strength test of 1500 V/1 minute and it fulfils the requirement of basic insulation.
- Enclosure of the component is made of class V-0 material.

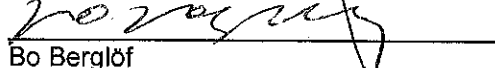
After judgement from case to case, the optocoupler can bridge basic, supplementary, double or reinforced insulation, provided that the ratings in data sheet are not exceeded in normal operation or under fault condition in the appliance.

Manufacturing site(s) Lite-On Electronics (Thailand) Co., Ltd.
38/4 Moo 1, Ransit-Ongkarak Road, Bungyeetoh
Tanyaburi, Pathumthani 12130, THAILAND

LITE-ON ELECTRONICS, INC. (TIANJIN)
No. 11 Fu-Yuan Rd., Wuqing Development Area, Tianjin City 301700, CHINA

This certificate is based on a certificate with ref. No. NCS/FI 26382 dated 11 November 2010, issued by SGS Fimko according to the Nordic Certification Service Agreement.

Certification Body Intertek Semko AB, Product Certification *Place* Kista - Stockholm

Signed 
Bo Berglöf *Date* 17 November 2010

This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.