

# Certificate



for European Product Safety

Reference No. 906329

## Optocoupler

*Type designation* FOD814, H11AA814, FOD815, FOD816, FOD817, FOD617, FOD852, FOD814A, FOD817A, FOD817B, FOD817C, FOD817D, FOD617A, FOD617B, FOD617C, FOD617D, H11AA814A, H11B815, H11A817, H11A817A, H11A817B, H11A817C, H11A817D, H11A617, H11A617A, H11A617B, H11A617C, H11A617D, FOD817X

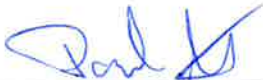
*Certificate holder* **Fairchild Semiconductor**  
**3001 Orchard Parkway**  
**San Jose, CA 95134**  
**UNITED STATES**

*The product complies with the standard(s)* EN 60950-1:2001 and A11

*Date of expiry* 1 December 2010

Additional information in Appendix.

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

*Signed*   
Paul Klemets *Date* 20 May 2009  
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## Appendix

Reference No. 906329

*Technical data*

*Type designation*

FOD814, H11AA814, FOD815, FOD816, FOD817, FOD617, FOD852, FOD814A, FOD817A, FOD817B, FOD817C, FOD817D, FOD617A, FOD617B, FOD617C, FOD617D, H11AA814A, H11B815, H11A817, H11A817A, H11A817B, H11A817C, H11A817D, H11A617, H11A617A, H11A617B, H11A617C, H11A617D, FOD817X

*Brand name:*

F

*Product information*

Operating temperature:  
Models FOD817 series and FOD617 series 110°C  
FOD814 series, FOD815 series and FOD852 series 105°C  
H11AA814 series, H11A617 series, H11A817 series and H11B815 series 100°C  
Above models are marked on the components as 814, ,815, 816, 817 or 852.

The following tests have been performed with positive result:

- Distance through insulation between input and output is more than 0.4mm, measured a minimum of 0.7mm.
- External creepage distance/clearances between input and output are more than 5mm / 4mm, measured a minimum of 7.8mm / 7.4mm.
- Internal creepage distances between input and output are more than 4mm, measured a minimum of 5.2mm.
- Insulation between the input and output withstands electric strength test of 3000V / 1 minute, it withstands also electric strength test of 5000V / 1 minute.
- Enclosure of the component withstands electric strength test of 1500V / 1 minute and it fulfils the requirement of basic insulation.
- Enclosure of the component is made of class V-0 material.

After judgment 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

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# Appendix

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*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 Road  
Wuqing Development Area  
TIANJIN  
CHINA

This certificate is based on a certificate with ref. No. NCS/FI 21978A2 dated 29 April 2009, issued by SGS FIMKO LTD according to the Nordic Certification Service Agreement.

This certificate replaces previously issued ref. No. 512040 dated 24 August 2005.

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

*Signed*

  
\_\_\_\_\_  
Paul Klemets

*Date* 20 May 2009

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