

DEMKO CERTIFICATE

Certificate No. 313540-03
Page 1/4
Date of Issue 2009-06-09

Certificate Holder Fairchild Semiconductor
3001 Orchard Parkway, San Jose, CA-95134
UNITED STATES

Manufacturer Fairchild Semiconductor
3001 Orchard Parkway, San Jose, CA-95134
UNITED STATES

Production site See appendix

Certified Product Optocoupler
Model See appendix
Trademark F
Rated Voltage / Frequency -
Rated Current / Power -
Insulation Class -
Degree of protection (IP) -
Tested acc. to EN 60950-1:2001
Test Report No. -
Additional See appendix
Expire date 2010-12-01

Certification Manager
Jan-Erik Storgaard

Certification Body

The product and production sites listed on the certificate comply with the D-mark requirements and the UL Global Service Agreement, with reference to Terms and Conditions for the D mark. The Owner of the certificate is entitled to use the ® or for cables «DEMKO» for the products listed on the certificate and manufactured at the production sites listed. UL has to be informed in writing about any changes to the product or production site in accordance with the Term and Conditions of the D mark. The validity of the certificate is shortened if the EU legislation require re-testing and re-certification due to new standards or amendments coming into force before the expiry date.

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730
Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com
www.ul-europe.com

Appendix DEMKO CERTIFICATE

Certificate No. 313540-03
Page 2/4
Date of Issue 2009-06-09

Model:

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

Technical information :

Above mentioned models are marked on the components as 814, 815, 816, 817 or 852.

Operating temperature: Models FOD817 series and FOD816 series 110°C. FOD814 series, FOD815 series, FOD816 series and FOD852 series 105°C. H11AA814 series, H11A617 series, H11A817 series and H11B815 series 100°C

Distance through insulation between input and output is more than 0.4 mm; measured a minimum of 0.7 mm

External creepage distances/clearances between input and output are more than 5 mm/4 mm; measured a minimum of 7.8 mm / 7.4 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 300 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

Production Site:

Lite-On Electronics (Thailand) Co., Ltd.
38/4 Moo 1, Rangsit-Ongkarak Road, Bungeeetoh
Tanyaburi, PATHUMTHANI 12130, THAILAND

Lite-On Electronics Inc. (TianJin)
No. 11 Fu-Yan Road, Wuqing Development Area
TIANJIN CITY 301700, CHINA

Certification Body

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730
Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com
www.ul-europe.com

Appendix DEMKO CERTIFICATE

Certificate No. 313540-03

Page 3/4

Date of Issue 2009-06-09

This certificate replaces the certificate No. 313540-02, dated 2005-09-20

UL International Demko A/S has issued a new certificate due to add new model

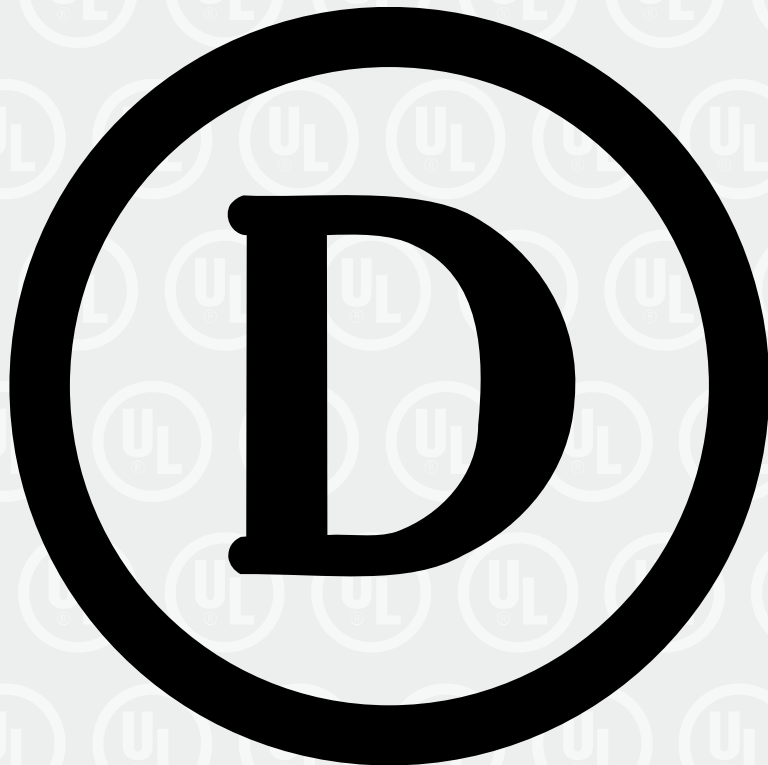
The certificate has been issued on the basis of Nordic certification Service, certificate No. FI 21978 A2, issued by SGS Fimko, dated 2009-04-29

Certification Body

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730
Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com
www.ul-europe.com

Appendix DEMKO Certificate

Certification Mark	D-mark
Certificate No.	313540-03
Page	4/4
Date of Issue	2009-06-09



Certification Body

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730
Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com
www.ul-europe.com