

Optocoupler

CERTIFICATE FI 27858



Our Ref. 270580

Product Optocoupler
Type VOS615A, VOS617A, VOS618A, VOS625A, VOS627A, VOS628A
Trade mark VISHAY
Certificate Holder Vishay Semiconductor GmbH
 Theresienstrasse 2
 D-74072 HEILBRONN, GERMANY
Manufacturer Lite-On Technology Corporation
 No. 90, Chien I Road, Chung Ho City
 TAIPEI HSIEN, 23585, TAIWAN
Technical information Operating temperature 115 °C (125 °C thermal cycling)
 OVC II: max. 250 Vrms, reinforced insulation, or
 OVC III: max. 300 Vrms, basic/supplementary insulation.

Other information

The product is certified according to the following standard(s) EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011
 EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011

Validity This certificate is valid until 18 January 2018 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the European Union. This certificate includes the right to use the FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for FI certification are met.

Date of Issue 18 January 2013

SGS Fimko Ltd

Signature *Matti Huttunen*
 Matti Huttunen
 Certification Engineer

This certificate has 1 appendix



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Fimko Ltd. | Särkiniementie 3 P.O.Box 30 FI-00211 Helsinki, Finland
 t. +358 9 696 361 f. +358 9 692 5474 www.sgs.fi
 Business ID 0978638-5 | Member of the SGS Group (SGS SA)

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Appendix to Certificate: 27858

Manufacturing sites

Lite-On Electronics (Thailand) Co., Ltd.
38/4 Moo 1, Rangsit-Ongkarak Road
Bungyeetoh, Thanyaburi
PHATHUMTHANI 12130, THAILAND

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

Lite-On Opto Technology (Changzhou) Co., Ltd.
A1, No. 88, Yanghu Road
Wujin Hi-Tech Industrial Development Zone
JIANGSU PROVINCE, CHINA

Additional information

This certificate is based on Lite-On Technology Corp. FI certificate No. 24432 M1.

EN 60950-1:2006 + A11:2009 + A1:2010

The optocouplers have been evaluated to be connected between primary circuit connected to the a.c. supply mains and secondary circuit connected to SELV as indicated in "technical information".

After judgement from case to case, the optocouplers may also bridge functional, basic and/or supplementary insulation, or may be used in other environments than indicated in "technical information", provided that the ratings are not exceeded in normal operation.

On manufacturer's request, thermal cycling test has been carried out ten times at -55 °C / 25 °C / 125 °C / 25 °C. For two optocouplers the test was followed by a humidity treatment for 48 h at (29 ± 2) °C, (93 ± 2) %rH. After the above mentioned treatment all optocouplers have been subjected to an electric strength test of 4800Va.c. for 1 min. between No breakdown of insulation was observed.

External clearance: 5,1 mm
External creepage distance: 5,1 mm
Internal clearance/creepage distance: 4,2 mm
Distance through insulation: 0,5 mm
Fulfills tests of Annex A.2.
Assumed CTI ≥ 100.

EN 60065:2002 + A1:2006 + A11:2008

The optocouplers have been evaluated to be connected between primary circuit connected to the a.c. supply mains and secondary circuit. The optocouplers have been evaluated for working voltage max. 250 V rms. / 420 V peak, OVC II, external PD2, internal PD1, material group III b, max. 2000 m altitude.

After judgement from case to case, the optocouplers 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.

Is based on test ref.

249688-1, 249688-1 Amendment -1, 249688-1 Amendment -2,
249688-1 Amendment -3.

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