

Optocoupler

CERTIFICATE FI 27410

Our Ref. 266638-2

Product	Optocoupler
Types	VOM617A, VOM618A
Trade mark	
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 max. 115 °C, (125 °C thermal cycling). OVC II: max. 250 Vrms, reinforced insulation, or OVC III: max. 300 Vrms, basic/supplementary insulation. See the Appendix.
The product is certified according to the following standard(s)	EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011
Validity	This certificate is valid until 31 December 2015 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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	12 April 2012
Signature	SGS Fimko Ltd Matti Huttunen Certification Engineer

This certificate has 2 appendixes

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Business ID 0678538-5	Member of the SGS Group (SGS SA)



Appendix 1 to Certificate: 27410

Manufacturing sites 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 based on certificate no. NCS FI 24432 A2 dated 24 August 2010 due to alternate marking as follows:

Lite-on model (original)	Vishay model
LTV-356 series	VOM617A, VOM618A

The components have been tested with applicable parts of standards
 EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011
 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011

On manufacturer's request, thermal cycling test has been carried out ten times at -55 °C / 25 °C / 125 °C / 25 °C with three samples. After cycling one optocoupler was subjected to the dielectric strength test at the voltage 4800V / 1 minute between input and output and two optocouplers were sent to a humidity treatment for 48 h at (29 ± 2) °C, (93 ± 2) %rH followed with the electric strength test of 4800 V a.c. for 1 min. 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

Fulfils resistance of fire tests of Annex A.2

- 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".
 - for working voltage max. 250 V rms. / 420 V peak, OVC II, external PD2, internal PD1, material group III b, max. 2000 m altitude.

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Appendix 2 to Certificate: 27410

Additional information 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.

Is based on test 249688-1, 249688-1 Amendment-1, 249688-1 Amendment- 2, 249688-1 Amendment- 3

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IMOR