

Optocoupler



CERTIFICATE FI 28153



Our ref. 272222

Product	Optocoupler
Type	IL1205AT, IL1206AT, IL1207AT, IL1208AT
Trade mark	
Certificate Holder	Vishay Semiconductor GmbH, Theresienstrasse 2 D-74072 HEILBRONN, GERMANY
Manufacturer	Vishay Semiconductor GmbH, Theresienstrasse 2 D-74072 HEILBRONN, GERMANY
Technical information	Evaluated to be without internal clearance/creepage distance for reinforced insulation up to a required withstand voltage of 1.5 kV (OVC II max. 150 V) and 2.5 kV (OVC II max. 300 V). PD 2, 2000 m, operating temperature 110 °C.
The product has been tested according to 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Validity	This certificate is valid until 20 August 2018 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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 and SGS FI marks 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 the test result	20 August 2013
Signature	SGS Fimko Ltd Timo Silonsaari Specialist



This certificate has 1 appendix



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Appendix to Certificate: 28153

Manufacturing site(s) Vishay Semiconductor Malaysia SDN.BHD
 Lot PT1707 - PT1716
 Krubong Industrial Park
 75250 MELAKA
 MALAYSIA

Additional information

Molding compounds:
 Internal: NT8600T by Nitto Denko.
 External : HC10-2F by Hitachi Chemical

Maximum required withstand voltage is 1.5 kV which represents OVC II max. 150 Vrms (reinforced insulation). Maximum required withstand voltage is 2.5 kV which represents OVC II max. 300 Vrms (basic / supplementary insulation). Internal clearance and creepage distance between input and output is 4.3 mm. Min.

External clearance and creepage distance between input and output is 4.4 mm. Min.

The optocouplers were subjected to an electric strength test between input and output of 1500 V a.c / 1 min (basic / supplementary: OVC II max. 300 V) and 2000 V a.c. / 1 min (reinforced: OVC II max. 150 V).

Distance through insulation between input and output is more than 0.4 mm, measured a minimum of 0.50 mm.

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

Is based on test 272222-1

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