

# Optocoupler





**CERTIFICATE FI 24231**

Our Ref. 249476-9

<b>Product</b>	Optocoupler
<b>Types</b>	SFH1617A-1 SFH1617A-2 SFH1617A-3 SFH1617A-4
<b>Trade mark</b>	
<b>Certificate Holder</b>	Vishay Semiconductor GmbH Postfach 3625 D-74026 HEILBRONN, GERMANY
<b>Manufacturer</b>	Vishay Semiconductor GmbH Theresienstrasse 2 D-74072 HEILBRONN, GERMANY
<b>Technical information</b>	Basic, supplementary, double or reinforced insulation 250 V, PD 2, 2000 m, operating temperature 110 C.
<b>The product is certified according to the following standard(s)</b>	EN 60065:2002 + A1:2006
<b>Validity</b>	This certificate is valid until 13 April 2013 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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.
<b>Date of issue</b>	14 April 2008
<b>Signature</b>	 Osmo Väyrynen Certification Manager

This certificate has 1 appendix



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Business ID 0978538-5	Member of the SGS Group (SGS SA)



Appendix to Certificate: 24231

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

**Additional information** The component fulfils the requirements of the basic/supplementary/double/reinforced insulation.

External clearance and creepage distance between input and output is 7.4 mm.

The optocouplers were subjected to an electric strength test between input and output of 3000 V a.c / 1 min.

Distance through insulation between input and output is more than 0.4 mm, measured a minimum of 0.60 mm.

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

**Is based on test** 249476-9

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