

Vishay Semiconductors

Optocoupler



CERTIFICATE FI/40970

HEL-CERT210300189-01

Product Optocoupler



LH1505A, LH1529A, LH1529B, LH1532A, LH1556A, LH1533, VO15665, VO1263A,

LH1262

Trademark



Certificate Holder Vishay Semiconductor GmbH

Theresienstrasse 2

D-74072, Heilbronn, Germany

Technical Basic/Supplementary/Reinforced insulation information Environmental temperature 100 °C

Other information See page 2 of this Certificate

The product is certified according to the following standard(s)

EN IEC 62368-1:2020 + A11:2020

Validity This certificate is valid until 11.3.2026 provided that the Conditions for FI certification

are met. 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 11.3.2021

SGS Fimko Ltd

Signature

Page 1 of 3

Tom Törn

Certification Director

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SGS Fimko Ltd

Takomotie 8, FI-00380 Helsinki, Finland t. +358 9 696 361 www.sgs.fi

Business ID 0978538-5

Member of the SGS Group (SGS SA)



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Page 2 of 3 to Certificate: FI/40970

Manufacturer Vishay Semiconductor GmbH

Theresienstrasse 2

D-74072, Heilbronn, Germany

Manufacturing site Vishay Semiconductor Malaysia Sdn.Bhd. No.1710-1, Kawasan Perindustrian Krubong

Models:

75250, Mukim Krubung, Melaka, Malaysia

Additional information

LH1500....., LH1501....., LH1504....., LH1510....., LH1511....., LH1518...., LH1525...., LH1530...., LH1535...., LH1540...., LH1541...., LH1547...., LH1550...., LH1262...., LH1502...., LH1505....., LH1512....., LH1520....., LH1521....., LH1522....., LH1523....., LH1524....., LH1526....., LH1531....., LH1532....., LH1533....., LH1544....., LH1528....., LH1529....., LH1549.....

2) LH1546AD, LH1500A, LH1510A, LH1535A, LH1540A, LH1550A1, LH1546A, VO14642A, LH1518A, LH1503A, LH1520A, LH1513A, LH1522A, LH1505A, LH1529A, LH1529B, LH1532A, LH1556A, LH1533, VO15665, VO1263A, LH1262

The symbol "...." in the end of the model numbering can be as follows:

- LH1500....., LH1510....., LH1511....., LH1518....., LH1525..... LH1530....,LH1535..... and LH1540..... = letters AAB, AABTR, AT, HT, HAB or HABTR
- LH1501..... = letters AAB, AABTR, AT, HT or HAB
- LH1504....., LH1541....., LH1547..... and LH1550..... = letters AAB1, AAB1TR, AT1, HT1, HAB1 or HAB1TR
- LH1262..... = letters AAC, AACTR, AB, BAC, BACTR, BB, CAC, CACTR, CB, HAC, HACTR or HB
- LH1502....., LH1505....., LH1512....., LH1520....., LH1521....., LH1522....., LH1523....., LH1524....., LH1526....., LH1531....., LH1532....., LH1533....., LH1544..... and LH1528...= letters AAC, AACTR, AB, HB, HAC or HACTR
- LH1529..... = letters AAC, AACTR, AB, ACC, ACCTR, ACF, ACFTR, BAC, BACTR, BB, BCC, BCCTR, HB, HAC or HACTR
- LH1549..... = letters AB, AAC, AACTR, HB, HAC or HACTR

Package: DIP-6, SMD-6 except

DIP-8, SMD8: LH1502...., LH1505...., LH1512...., LH1520...., LH1522...., LH1526...., LH1532...., VO1263.....,

Operating temperature 100 °C except VO15665 105 °C

Page 2 of 3

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Page 3 of 3 to Certificate: FI/40970

Additional information (continues)

According to standard EN IEC 62368-1:2020/A11:2020 optocoupler used as safeguard shall comply with the requirements of clause 5.4 or Annex G.12 for optocouplers which requires component to fulfill standard IEC 60747-5-5 2007. In addition, the type testing voltage Vini,a and routine testing voltage Vini,b shall be at least equal to the appropriate test voltage in EN IEC 62368-1:2020/A11:2020 clauses 5.4.9.1 and 5.4.9.2.

Models have been tested and certified by VDE certificate Ref. No. VDE VDE 112774 (2017-09-29) and 112777 (2019-01-28) according to the standard EN 60747-5-5:2011+A1:2015. The used test voltages for Vini,a and Vini,b are 6,8 kVpeak.

Minimum external clearances and creepage distances:

- 1) 8,3 mm
- 2) 7,5 mm

For ITAV aplications, based on test voltages, optocouplers can be used in implementation where required withstand voltage is max. 4,0 kVp (Reinforced, AC mains max. 250V/OVC III).

Compliance to other insulation requirements, construction of the optocouplers (enclosure option), as well as environmental conditions shall be considered in final assembly.

As shown in the Test Report(s) No(s): 300196-4



Page 3 of 3

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