

## Optocoupler



### Verification Certificate

This is to certify that:

Vishay Semiconductor GmbH  
Theresienstrasse 2  
Heilbronn  
74072  
Germany

Holds Certificate Number:

VC 664395

In respect of:

**BS EN 62368-1:2014 Audio/Video, information and communication Technology Equipment  
Clauses 5.4, 5.5 & 6.4.5**

**Type samples representative of the products listed have been tested and examined to the relevant requirements of the normative reference listed and have been found to comply with these requirements as detailed in the related Test Report as listed on page 2**



For and on behalf of BSI:

Shahm Barhom, Group Product Certification Director

First Issued: 2017-04-11

Effective Date: 2023-01-19

Latest Issue: 2023-01-19

Expiry Date: 2024-06-28

Page: 1 of 2

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A member of BSI Group of Companies.



# Verification Certificate

No. VC 664395

Manufacturing Location: Vishay Semiconductor Malaysia Sdn. Bhd.  
No. 1710-1, Kawasan Perindustrian Krubong  
75250 Melaka  
Malaysia

Test Report Number: 3703194 & 3681915 Rev1

### Product Description

Optocoupler types: LH1546AEF

As rated below:

For Basic and Supplementary insulation

- |  |                          |
|--|--------------------------|
| 1. Hygroscopic/asbestos/natural rubber materials used: | No                       |
| 2. Insulation system:                                  | Supplementary            |
| 3. Mains supply voltage:                               | ≤ 250 V rms              |
| 4. RMS working voltage:                                | ≤ 300 V                  |
| 5. Peak working voltage:                               | 420 V                    |
| 6. Overvoltage category:                               | II                       |
| 7. Pollution degree:                                   | External 2<br>Internal 1 |
| 8. Maximum operating temperature:                      | 85 °C                    |
| 9. Clearance distance:                                 | ≥1.5 mm                  |
| 10. Creepage distance:                                 | ≥3.0 mm                  |
| 11. Comparative Tracking Index (CTI):                  | 175 ≤ CTI ≤ 400          |
| 12. Material group:                                    | IIIa                     |
| Working parameters                                     |                          |
| Mains transient voltage (Withstand voltage)            | 2500 V peak              |
| Thermal cycling storage temperature:                   | 95 °C                    |
| Thermal cycling electric strength test voltage.        | 2600 V peak              |

Note: This certificate has been issued for the addition of new materials.

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