

Optocoupler



Verification Certificate

This is to certify that:

Vishay Semiconductor GmbH
Theresienstrasse 2
Heilbronn
74072
Germany

Holds Certificate Number:

VC 664067

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: 2024-08-18

Page: 1 of 2

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Verification Certificate

No. VC 664067

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

Test Report Number: 3703196 & 3681915 Rev1

Product Description

Optocoupler types: LH1520(AAC/AACTR/AB)

As rated below:

For Reinforced Insulation

1.	Hygroscopic/asbestos/natural rubber materials used:	No
2.	Insulation system:	Reinforced
3.	Mains supply voltage:	≤250 V r.m.s.
4.	RMS working voltage:	≤400 V r.m.s.
5.	Peak working voltage:	560 V peak
6.	Overvoltage category:	II
7.	Pollution degree:	External 2 Internal 1
8.	Maximum operating temperature:	85 °C
9.	Clearance distance:	≥3.0 mm
10.	Creepage distance:	≥8.0 mm
11.	Clearance distance along cemented joint:	≥3.0 mm
12.	Creepage distance along cemented joint:	≥3.0 mm
13.	Distance through insulation:	≥0.4 mm
14.	Comparative Tracking Index (CTI):	400 ≤ CTI ≤ 600
15.	Material group:	II
Working parameters		
	Mains transient voltage (Withstand voltage)	2500 V peak
	Thermal cycling storage temperature:	95 °C
	Thermal cycling electric strength test voltage.	4000 V peak

In respect of BS EN 62368-1:2014 Clause 6.4.5, samples passed the flammability requirements in accordance with EN 60747-5-5:2001 Clause 7.4.3.6.1

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

First Issued: 2017-04-11
Latest Issue: 2023-01-19

Effective Date: 2023-01-19
Expiry Date: 2024-08-18

Page: 2 of 2

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.