

Optocoupler



Verification Certificate

This is to certify that:

Vishay Semiconductor GmbH
Theresienstrasse 2
Heilbronn
74072
Germany

Holds Certificate Number:

VC 664472

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: 2017-04-07

Effective Date: 2023-01-19

Latest Issue: 2023-01-19

Expiry Date: 2024-11-06

Page: 1 of 2

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Verification Certificate

No. VC 664472

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

Test Report Number: 3703214 & 3681915 Rev1

Product Description

Optocoupler types: SFH690 (AT, BT, ABT, CT & DT)
SFH691AT
SFH1690 (AT, BT, ABT, CT & DT)

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:	≤300 V r.m.s.
5. Peak working voltage:	420 V peak
6. Overvoltage category:	II
7. Pollution degree:	External 2 Internal 1
8. Maximum operating temperature:	110 °C
9. Clearance distance:	≥3.0 mm
10. Creepage distance:	≥6.0 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:	120 °C
Thermal cycling electric strength test voltage.	4000 V peak

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

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