



# Optocoupler



## Verification Certificate

This is to certify that: Vishay Semiconductor GmbH  
Theresienstrasse 2  
Heilbronn  
74072  
Germany

Holds Certificate Number: VC 677151

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: Frank Lee, Product Certification Technical and Compliance Director

First Issued: 2018-01-11  
Latest Issue: 2021-08-05

Effective Date: 2021-08-05  
Expiry Date: 2023-03-05

Page: 1 of 3

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## Verification Certificate

No. VC 677151

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

Test Report Number: 3425430

### Product Description

Optocoupler types:

TCMT110x	TCMD100x	VOS615
TCMT111x	TCMD400x	VOS617
TCMT160x	SFH6916	VOS618
TCMT410x		VOS627
TCMT4600		VOS628
TCMT4606		

x = CTR selection group 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9  
(Note: Model designations may be followed by additional letters and numbers)

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### Verification Certificate

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Rated as below:

- |                                       |                          |
|---------------------------------------|--------------------------|
| 1. Insulation system:                 | Reinforced               |
| 2. Mains supply voltage:              | 250 V r.m.s.             |
| 3. RMS working voltage:               | 250 V r.m.s              |
| 4. Peak working voltage:              | 2000 V peak              |
| 5. Overvoltage category:              | II                       |
| 6. Pollution degree:                  | External 2<br>Internal 1 |
| 7. Maximum operating temperature:     | 110°C                    |
| 8. Clearance distance:                | ≥3.0mm                   |
| 9. Creepage distance:                 | ≥5.0mm                   |
| 10. Distance through insulation:      | ≥0.4mm                   |
| 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:            | 120°C       |
| Thermal cycling electric strength test voltage. | 4000 V peak |

Note: This certificate has been issued for the renewal of VC 677151

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