

Optocoupler



Verification Certificate

This is to certify that:

Vishay Semiconductor GmbH
Theresienstrasse 2
Heilbronn
74072
Germany

Holds Certificate Number:

VC 641605

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: 2016-01-15

Effective Date: 2022-07-26

Latest Issue: 2022-07-26

Expiry Date: 2024-01-27

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Verification Certificate

No. VC 641605

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

Test Report Number: 3583740 & 3698251

Product Description

Optocoupler Series:
VOA300-yyyx-xxxxT
IL300-yyyx-xxxxT

Where:

YYYY = Input-Output Coupler Gain (K3). Can be blank or consist of up to 4 letters.
Xxxx = Package Option Forming. "xxx" can be blank where no option is required or a number.
xxxx = Customer Code.
T = Tape & Reel Option. May be followed by 0, 1, 2 or 3. Blank when T&R option is not required.

As rated below:

Standard models

	Supplementary Insulation	Reinforced Insulation
1. Hygroscopic/asbestos/natural rubber materials used:	No	No
2. Insulation system:	Supplementary	Reinforced
3. Mains supply voltage:	≤ 250 V rms	≤ 250 V rms
4. RMS working voltage:	≤ 600 V	≤ 300 V
5. Peak working voltage:	2000 V	2000 V
6. Overvoltage category:	II	II
7. Pollution degree:	External 2 Internal 1	External 2 Internal 1
8. Maximum operating temperature:	100 °C	100 °C
9. Clearance distance:	≥1.5 mm	≥3.0 mm
10. Creepage distance:	≥6.0 mm	≥6.0 mm
11. Comparative Tracking Index (CTI):	175 ≤ CTI ≤ 400	175 ≤ CTI ≤ 400
12. Material group:	IIIa	IIIa
Working parameters		
Mains transient voltage (Withstand voltage)	2500 V peak	2500 V peak
Thermal cycling storage temperature:	110 °C	110 °C
Thermal cycling electric strength test voltage.	2600 V peak	4000 V peak

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Package Options: 1, 6, 7, 8, and 9.

	Supplementary Insulation	Reinforced Insulation
1. Hygroscopic/asbestos/natural rubber materials used:	No	No
2. Insulation system:	Supplementary	Reinforced
3. Mains supply voltage:	≤ 250 V rms	≤ 250 Vrms
4. RMS working voltage:	≤ 600 V	≤ 400 V
5. Peak working voltage:	2000 V	2000 V
6. Overvoltage category:	II	II
7. Pollution degree:	External 2 Internal 1	External 2 Internal 1
8. Maximum operating temperature:	100 °C	100 °C
9. Clearance distance:	≥1.5 mm	≥3 mm
10. Creepage distance:	≥6.0 mm	≥8.0 mm
11. Comparative Tracking Index (CTI):	175 ≤ CTI ≤ 400	175 ≤ CTI ≤ 400
12. Material group:	IIIa	IIIa
Working parameters		
Mains transient voltage (Withstand voltage)	2500 V peak	2500 V peak
Thermal cycling storage temperature:	110 °C	110 °C
Thermal cycling electric strength test voltage.	2600 V peak	4000 V peak

Note: This certificate has been issued for the addition of VOA300.

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