

Optocoupler



Verification Certificate

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

Holds Certificate Number: VC 641600

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:

Chris Lewis - Certification Director, Product Certification

First Issued: 2016-01-14
Latest Issue: 2020-11-11

Effective Date: 2020-11-11
Expiry Date: 2023-01-19

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Verification Certificate

No. VC 641600

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

Test Report Number: 3281384

Product Description

Optocoupler in DIP-6 packages, 'over-under' construction (bi-plane) as listed below

H11A1	IL30	MOC8101	SFH600-0
H11A2		MOC8102	SFH600-1
H11A3	IL766-1	MOC8103	SFH600-2
H11A4	IL766-2	MOC8104	SFH600-3
H11A5		MOC8105	
	IL250		SFH601-1
H11AA1	IL251		SFH601-2
H11AA1-1152	IL252		SFH601-3
	IL255		SFH601-4
H11D1	IL255-1		
H11D2	IL255-2		SFH608-2
H11D3			SFH608-3
H11D4	IL755-1		SFH608-4
	IL755-2		SFH608-5
	IL755-1059		
			SFH640-1
			SFH640-2
			SFH640-3

Using Lead frame type 1001-9211-1AC
Using Lead bending configurations, standard and options 6, 7, 8 and 9

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No. VC 641600

"Option 6", "Option 7", "Option 8" and "Option 9" models

	Basic and Supplementary Insulation	Reinforced Insulation
1. Insulation system:	Basic / Supplementary	Reinforced
2. Mains supply voltage:	250 V r.m.s.	250 V r.m.s.
3. RMS working voltage:	600 V r.m.s.	400 V r.m.s.
4. Peak working voltage:	2000 V peak	2000 V peak
5. Overvoltage category:	II	II
6. Pollution degree:	External 2 Internal 1	External 2 Internal 1
7. Maximum operating temperature:	100 °C	100 °C
8. Clearance distance:	≥1.5 mm	≥3.0 mm
9. Creepage distance:	≥6.0 mm	≥8.0 mm
10. Distance through insulation:	≥0.4 mm	≥0.4 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
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 renewal of VC 641600.

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Verification Certificate

No. VC 641600

Rated as below:

Standard models

	Basic and Supplementary Insulation	Reinforced Insulation
1. Insulation system:	Basic / Supplementary	Reinforced
2. Mains supply voltage:	250 V r.m.s.	250 V r.m.s.
3. RMS working voltage:	600 V r.m.s.	300 V r.m.s.
4. Peak working voltage:	2000 V peak	2000 V peak
5. Overvoltage category:	II	II
6. Pollution degree:	External 2 Internal 1	External 2 Internal 1
7. Maximum operating temperature:	100 °C	100 °C
8. Clearance distance:	≥1.5 mm	≥3.0 mm
9. Creepage distance:	≥6.0 mm	≥6.0 mm
10. Distance through insulation:	≥0.4 mm	≥0.4 mm
11. Comparative Tracking Index (CTI):	175 ≤ CTI ≤ 400	175 ≤ CTI ≤ 400
12. Material group:	IIIa	IIIa
Working Parameters		
16. Mains transient voltage (Withstand voltage)	2500 V peak	2500 V peak
17. Thermal cycling storage temperature:	110 °C	110 °C
18. Thermal cycling electric strength test voltage.	2600 V peak	4000 V peak

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