

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:

Shahn Barhom, Group Product Certification Director

First Issued: 2016-01-14

Effective Date: 2023-07-20

Latest Issue: 2023-07-20

Expiry Date: 2025-02-02

Page: 1 of 4

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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

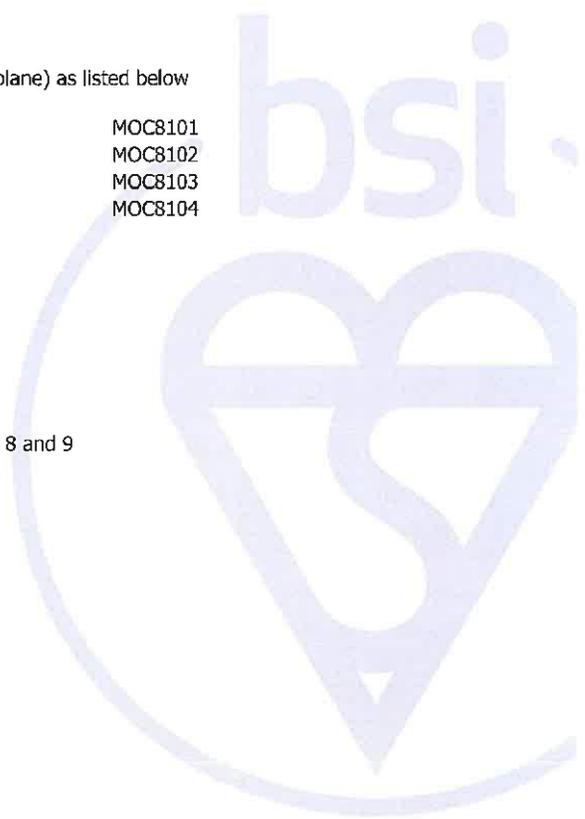
Test Report Number: 3908317

Product Description

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

SFH600-0	IL755-1	MOC8101
SFH600-1	IL755-2	MOC8102
SFH600-2	IL755-1059	MOC8103
SFH600-3		MOC8104
	IL255	
SFH608-2		
SFH608-3		
SFH608-4		
SFH608-5		

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



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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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"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

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