



Verification Certificate

This is to certify that:

Vishay Semiconductor GmbH
Theresienstrasse 2
Heilbronn
74072
Germany

Holds Certificate Number:

VC 677147

In respect of:

BS EN IEC 62368-1:2020 Audio/video, information and communication technology equipment - Safety requirements
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: 2017-09-22

Effective Date: 2022-02-03

Latest Issue: 2022-02-03

Expiry Date: 2023-11-14

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Verification Certificate

No. VC 677147

Product Description

Optocoupler type HS817 series:

HS817D	HS817DG	HS817B	HS817BG
HS817C	HS817CG	HS817	HS817G

Optocoupler type K817P series:

K817P	K817P1	K817P2	K817P3	K817P4
K817P5	K817P6	K817P7	K817P8	K817P9

Optocoupler type TCET110 series:

TCET1100	TCET1100G	TCET1101	TCET1101G
TCET1102	TCET1102G	TCET1103	TCET1103-3034
TCET1103D	TCET1103G	TCET1104	TCET1104G
TCET1105	TCET1105G	TCET1106	TCET1106G
TCET1107	TCET1107G	TCET1108	TCET1108G
TCET1109	TCET1109-3028		TCET1109G

Optocoupler type TCET110XGD series:

TCET1102GD	TCET1103GD
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Optocoupler type TCET111 series:

TCET1110	TCET1110G	TCET1111	TCET1111G	TCET1112
TCET1112G	TCET1113	TCET1113G	TCET1114	TCET1114G
TCET1115	TCET1115G	TCET1116	TCET1116G	TCET1117
TCET1117G	TCET1118	TCET1118G	TCET1119	TCET1119G

Optocoupler type TCET120 series:

TCET1200	TCET1200G	TCET1201	TCET1201G	TCET1202
TCET1202G	TCET1203	TCET1203G	TCET1204	TCET1204G

And lead bending options G, M, S, S1, S2

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Product Description (continued)

Optocoupler type VO610A series:

VO610A-1 VO610A-2 VO610A-3 VO610A-4

Optocoupler type VO615A series:

VO615A VO615A-1 VO615A-2 VO615A-3 VO615A-4
VO615A-5 VO615A-6 VO615A-7 VO615A-8 VO615A-9

And lead bending options 6, 7, 8, 9

As rated below:

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	≤320 V r.m.s.
5.	Peak working voltage:	2000 V peak
6.	Overvoltage category:	II
7.	Pollution degree:	External 2 Internal 1
8.	Maximum operating temperature:	110 °C
9.	Clearance distance:	≥3.0mm
10.	Creepage distance:	≥6.4mm
11.	Distance through insulation:	≥0.4mm
12.	Comparative Tracking Index (CTI):	175 ≤ CTI ≤ 400
13.	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

In respect of BS EN 62368-1:2014 Clause 6.4.5, samples passed the flammability requirements in accordance with EN 60747-5-5:2001 Clause 7.4.3.6.1

Note: This certificate has been issued for the renewal of VC 677147.

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