



# Optocoupler

# Certification Record

CUSTOMER	CLASS	FILE NUMBER
Vishay Semiconductor Malaysia Sdn. Bhd. No. 1710-1 Kawasan Perindustrian, Krubong Melaka Malaysia 75250	<a href="#">9073-30 (.../class/?class=9073-30)</a> ELECTRONIC COMPONENTS- Optoisolators	093751_0_000

Note: \* Models marked with \* comply with IEC 60065 (6th Ed.) IEC 60950, CSA E65, and CSA 950-95  
 INT. CREEPAGE 4.6mm (for 950 thermal cycling tests were performed.)  
 INT. DIST. THROUGH INSULATION 0.43mm min.  
 EXT. CREEPAGE 8.2mm.  
 EXT. CLEAR 7.3mm (depends on lead bending).

DIL4 (4 Pin DIP):  
 Output: Phototransistor  
 Dielectric Strength: 5.3k Vac  
 Power: 200mW

*SFH6106-1	*SFH6106-2	*SFH6106-3	*SH6106-4
SFH6116-1	SFH6116-2	SFH6116-3	SFH6116-4



*SFH6156-1	*SFH6156-2	*SFH6156-3	*SFH6156-4
SFH6186-2	SFH6186-3	SFH6186-4	SFH6186-5
SFH6206-1	SFH6206-2	SFH6206-3	
SFH6286-2	SFH6286-3	SFH6286-4	
*SFH610A-1	*SFH610A-2	*SFH610A-3	*SFH610A-4
SFH611A-1	SFH611A-2	SFH611A-3	SFH611A-4
*SFH615A-1	*SFH615A-2	*SFH615A-3	*SFH615A-4
*SFH617A-1	*SFH617A-2	*SFH617A-3	*SFH617A-4
SFH618A-2	SFH618A-3	SFH618A-4	SFH618A-5
SFH620A-1	SFH620A-2	SFH620A-3	
SFH628A-2	SFH628A-3	SFH628A-4	
*SFH615AA	*SFH615AGB	*SFH615AGR	*SFH615ABM
*SFH615ABL	*SFH615AY		
SFH620AA	SFH620AGB		

HVIL (6 Pin DIP):

Output: Phototransistor

Dielectric Strength: 5.3k Vac

Power: 200mW

IL1	IL2	IL5	IL74
4N25	4N26	4N27	4N28
4N35	4N36	4N37	IL201
IL202	IL203	H11A1	H11A2
H11A3	H11A4	H11A5	MCT2
MCT2E	MCT270	MCT271	MCT272
MCT273	MCT274	MCT275	
CNY17-1	CNY17-2	CNY17-3	CNY17-4
CNY17F-1	CNY17F-2	CNY17F-3	CNY17F-4



SFH600-0	SFH600-1	SFH600-2	SFH600-3
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SFH601-1	SFH601-2	SFH601-3	SFH601-4
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SFH608-2	SFH608-3	SFH608-4	SFH608-5
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SFH640-1	SFH640-2	SFH640-3	SFH636
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H11D1	H11D2	H11D3	MOC8111
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4N38	4N39	MCT5210	MCT5211
MCT276	MCT277	MOC8101	MOC8102
MOC8103	MOC8104	MOC8105	

Output: SCR

IL400	H11C4	H11C5	H11C6
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Output: Triac

IL410	IL420	IL440	-
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IL4117	IL4118	IL4108	IL4116
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IL4217	IL4218	IL4208	IL4216
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HIL (6 Pin DIP):

Output: Photodarlington

Dielectric Strength: 5.3k Vac

Power: 200mW

4N32	4N33	IL30	IL31
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IL66-1	IL66-2	IL66-3	IL66-4
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H11B1	H11B2	H11B3	MCA230
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MCA231	MCA255	MOC8050	IL55
IL55B	IL66B-1	IL66B-2	

ACIL (6 Pin DIP):

Output: Phototransistor

Dielectric Strength: 5.3k V ac

Power: 200mW



H11AA1	IL250	IL251	IL252
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Output: Photodarlington

IL755-1	IL755-2	IL766	IL755B-1
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IL755B-2	IL766-1	IL766-2	IL766B-1
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IL766B-2 DHVIL (8 Pin DIP):

Output: Phototransistor

Dielectric Strength: 5.3k Vac

Power: 400mW

ILD1	ILD2	ILD5	ILD74
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ILCT6	MCT6	ILD610-1	ILD610-2
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ILD610-3	ILD610-4	ILD615-1	ILD615-2
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ILD615-3	ILD615-4	ILD621	ILD621GB
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ILD250	ILD251	ILD252	ILD255
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ILD3-1	ILD3-2	ILD620	ILD620GB
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Output: MOSFET

LH1529

HIL (8 Pin DIP):

Output: Photodiode driving BJT

Dielectric Strength: 5.3kV ac

SFH6345

HIL (8 Pin DIP):

Output: Photodiode driving BJT

Dielectric Strength: 2.5kV ac

6N135, 6N136

DHIL (8 Pin DIP):

Output: Photodarlington

Dielectric Strength: 5.3k Vac

Power: 400mW

ILD30	ILD31	ILD32	ILD55
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ILD66-1	ILD66-2	ILD66-3	ILD66-4
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ILD755-1	ILD755-2	ILD766-1	ILD766-2
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QHVIL (10 Pin DIP):

Output: Phototransistor

Dielectric Strength: 5.3k Vac

Power: 500mW

ILQ1	ILQ2	ILQ5	ILQ74
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ILQ615-1	ILQ615-2	ILQ615-3	ILQ615-4
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ILQ621	ILQ621GB	ILQ620	ILQ620GB
ILQ3-1	ILQ3-2		

QHIL (16 Pin DIP):

Output: Photodarlington

Dielectric Strength: 5.3k Vac

Power: 500mW

ILQ30	ILQ31	ILQ32	ILQ55
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ILQ66-1	ILQ66-2	ILQ66-3	ILQ66-4
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Small Outline Package Types:

Chip on Chip Design

SOT223 (10 Pin):

Output: Phototransistor

Dielectric Strength: 2500V ac passed, rated 2500V dc.

Power: 10mW

Minicoupler Optoisolator

SFH6943	SFH6944
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With possible suffix X where X is a digit to differentiate parts with different current transfer ratios.

Chip on Lead Frame Design:

Single Channel Phototransistor Types:

Dielectric Strength: 2500V ac

IL205AT	IL212AT	IL221AT
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IL206AT	IL213AT	IL222AT
IL207AT	IL215AT	IL223AT
IL208AT	IL216AT	IL256AT
IL211AT	IL217AT	

Dual Channel Phototransistor Types:

Dielectric Strength: 2500V ac

ILD205T	ILD213T
ILD206T	ILD217T
ILD207T	ILD223T
ILD211T	ILD256T
VOD205T	VOD213T
VOD206T	VOD217T
VOD207T	VOD223T
VOD211T	

Low Gain/High Gain Photodarlington Types:

Dielectric Strength: 2500V ac

SFH6318T
SFH6319T

Photo Diode and Transistor High Speed Types:

Dielectric Strength: 2500V ac

SFH6315T
SFH6316T
SFH6343T



Miniflat (SOP)

Output: Phototransistor

Dielectric Strength: 3750V ac

SFH690AT

SFH690BT

SFH690ABT

SFH6916

Notes:

1. The above components are CSA Certified for use as component parts in other Certified equipment where the suitability of the combination shall be determined by the certifying body.
2. Some devices have a suffix to differentiate devices with different current transfer ratios.
3. The CSA Component Acceptance Mark and Submitter's CSA File No., Master Contract, Submitter's CSA Registered Mark or Submitter's name may be marked on the smallest packaging instead of on the component, although this may not be stated in the CSA Report.

- PCMCIA Coplanar Optoisolators IL388 and IL388DAA with 2130 V dc isolation voltage.

Notes:

1. The above models are certified as components for use in Information Technology Equipment, where the suitability of the combination is to be determined by CSA International.
2. The component was evaluated for SUPPLEMENTARY INSULATION under CAN/CSA C22.2 No 60950-1-03, such as is required for isolating TNV (max 120Vrms ringing) from SELV, and is provided with >0.4 mm thickness through insulation. The component is also considered to comply with the requirements for BASIC INSULATION.
3. Tested to the manufacturer's isolation voltage rating 2130 V dc instead of the 2500 V ac rms requirement of CA No. 5A.

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