

Optocoupler



CERTIFICATION RECORD

The company named below has been authorized by CSA International to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 093751_0_000

Class No: 9073 30 ELECTRONIC COMPONENTS Optoisolators

SUBMITTOR

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FACTORIES

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China

April 21, 2004(Replaces:November 18, 2002)



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
SFH601-1	SFH601-2	SFH601-3	SFH601-4
SFH608-2	SFH608-3	SFH608-4	SFH608-5
SFH640-1	SFH640-2	SFH640-3	SFH636
H11D1	H11D2	H11D3	MOC8111
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	-
IL4117	IL4118	IL4108	IL4116
IL4217	IL4218	IL4208	IL4216

HIL (6 Pin DIP):

Output: Photodarlington

Dielectric Strength: 5.3k Vac

Power: 200mW

4N32	4N33	IL30	IL31
IL66-1	IL66-2	IL66-3	IL66-4
H11B1	H11B2	H11B3	MCA230
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
IL755B-2	IL766-1	IL766-2	IL766B-1

IL766B-2 DHVIL (8 Pin DIP):

Output: Phototransistor

Dielectric Strength: 5.3k Vac

Power: 400mW

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

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
ILD66-1	ILD66-2	ILD66-3	ILD66-4
ILD755-1	ILD755-2	ILD766-1	ILD766-2

QHVIL (10 Pin DIP):

Output: Phototransistor

Dielectric Strength: 5.3k Vac

Power: 500mW

ILQ1	ILQ2	ILQ5	ILQ74
ILQ615-1	ILQ615-2	ILQ615-3	ILQ615-4
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
ILQ66-1	ILQ66-2	ILQ66-3	ILQ66-4



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

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

IL205A	IL212A	IL222A
IL206A	IL213A	IL223A
IL207A	IL215A	IL227A
IL208A	IL216A	IL256A
IL211A	IL221A	-

Dual Channel Phototransistor Types:

Dielectric Strength: 2500V ac

ILD205	ILD213
ILD206	ILD217
ILD207	ILD223
ILD211	-



Low Gain/High Gain Photodarlington Types:

Dielectric Strength: 2500V ac

SFH7318

SFH6319

Photo Diode and Transistor High Speed Types:

Dielectric Strength: 2500V ac

SFH6315

SFH6316

SFH6343

PCMCIA Coplanar Optoisolators:

Dielectric Strength: 2500V dc

Internal Distance Through Insulation: >0.4mm

External Creepage: 7.2mm

External Clearance: 7.6mm (affected by lead bending)

IL388

IL 388DAA

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.

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