

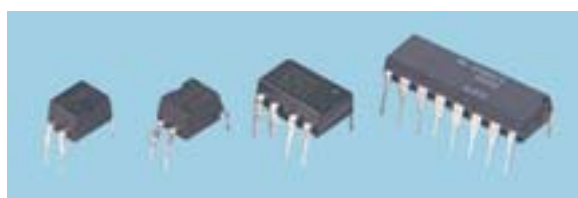
Optocouplers - continued

Transistor Output - continued

Mfrs. List No.	Order Code	1+	10+	100+	250+	+
10mm Lead Bend Versions						
4N26T-M...	359-7556‡	25.00	23.00	17.00	--	--
CNY17-1TV-M...	359-8317‡	26.00	20.00	15.00	10.00	--
CNY17-2.300W...	359-8330‡	30.00	22.00	17.00	11.00	--
CNY17-2TV-M...	359-8378‡	26.00	20.00	15.00	10.00	--
CNY17-3.300W...	359-8391‡	30.00	22.00	17.00	11.00	--
CNY17-3TV-M...	359-8445‡	26.00	20.00	15.00	10.00	--
4N26T-M	102-1157●	25.00	23.00	17.00	--	--
CNY17-1TV-M	102-1204●	26.00	20.00	15.00	10.00	--
CNY17-2.300W	102-1206●	30.00	22.00	17.00	11.00	--
CNY17-2TV-M	102-1209●	26.00	20.00	15.00	10.00	--
CNY17-3.300W	102-1211●	30.00	22.00	17.00	11.00	--
CNY17-3TV-M	102-1216●	26.00	20.00	15.00	10.00	--

Transistor Output

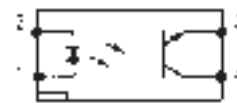
Single, Dual or Quad - Without Base Connection



Channels (pk.)	Isolation Voltage (pk.)	Curr. Trsfr. Ratio (min) @ I _F	Breakdown V _(BR) CEO min	Mfrs.	Mfrs. List No.
Transistor Output					
Single	5300 rms	63% @ 5mA	70V	VISHAY	SFH610A-2
Dual	2500 rms	20% @ 5mA	55V	TOSHIBA	TLP521-2(A,F)
Quad	5000 rms	50% @ 5mA	55V	TOSHIBA	TLP620-4(F)
Quad	2500 rms	20% @ 5mA	55V	TOSHIBA	TLP521-4(A,F)
Quad	5000 rms	100% @ 5mA	55V	TOSHIBA	TLP621-4(F)
Single	2500 rms	50% @ 5mA	55V	TOSHIBA	TLP521-1(A,F,T)
Single	5000 rms	50% @ 5mA	55V	TOSHIBA	TLP621(F,T)
Single	5300 rms	63% @ 5mA	70V	VISHAY	SFH615A-2
Single	5300 rms	63% @ 5mA	70V	VISHAY	SFH617A-2X006
Single	5300 rms	160% @ 5mA	55V	VISHAY	SFH618A-4
Dual	5000 rms	50% @ 5mA	70V	VISHAY	CNY74-2H
Dual	5300 rms	12.5% @ 5mA	20V	VISHAY	ILD74
Quad	5000 rms	50% @ 5mA	70V	VISHAY	CNY74-4H
Quad	5300 rms	12.5% @ 5mA	20V	VISHAY	ILQ74
AC Input, Transistor Output					
Single	5300	63% @ 10mA	70V	VISHAY	SFH620A-2
Single	5300	100% @ 1mA	55V	VISHAY	SFH628A-3

Mfrs. List No.	Mfrs.	Order Code	1+	25+	100+	250+
Transistor Output						
SFH610A-2	VISHAY	104-5381●	32.00	29.00	24.00	20.00
TLP521-2(A,F)	TOSHIBA	114-1124●	95.00	47.00	43.00	33.00
TLP620-4(F)	TOSHIBA	114-1125●	162.00	135.00	122.00	114.00
TLP521-4(A,F)	TOSHIBA	114-1126●	107.00	90.00	74.00	--
TLP621-4(F)	TOSHIBA	114-1127●	187.00	170.00	140.00	85.00
TLP521-1(A,F,T)	TOSHIBA	114-1130●	22.00	18.00	17.00	16.00
TLP621(F,T)	TOSHIBA	114-1133●	28.00	23.00	20.00	18.00
SFH615A-2	VISHAY	104-5382●	28.00	25.00	21.00	17.00
SFH617A-2X006	VISHAY	104-5383●	31.00	28.00	23.00	19.00
SFH618A-4	VISHAY	104-5394●	38.00	33.00	28.00	22.00
CNY74-2H	VISHAY	104-5431●	42.00	37.00	31.00	25.00
ILD74	VISHAY	104-5423●	67.00	59.00	50.00	40.00
CNY74-4H	VISHAY	104-5432●	84.00	74.00	62.00	50.00
ILQ74	VISHAY	104-5424●	120.00	107.00	90.00	72.00
AC Input, Transistor Output						
SFH620A-2	VISHAY	104-5384●	40.00	36.00	30.00	24.00
SFH628A-3	VISHAY	104-5443●	46.00	42.00	35.00	28.00

Transistor Output - 10kV Isolation



◆ OPI Series, L=14.0, Dia=6.6 Pin spacing=2.54

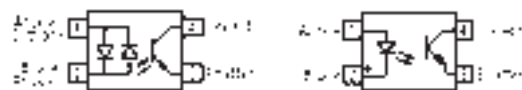
◆ Note: OPI110A and OPI110C have detector connections reversed, i.e. pin 4 is emitter.

OPI1264D is ATEX (BAS01ATEX1278U) approved.

Isolation Voltage (pk)	Curr. Trsfr. Ratio (min.) @ I _F	Breakdown V _(BR)	Mfrs. List No.	Mfrs. List No.
10000Vdc	25% @ 10mA	30V	OPTEK	OPI1264A
10000Vdc	100% @ 10mA	30V	OPTEK	OPI1264C
10000Vdc	100% @ 1mA	30V	Bedford	OPI1264D
10000Vdc	25% @ 10mA	30V	OPTEK	OPI110A
10000Vdc	100% @ 10mA	30V	OPTEK	OPI110C

Mfrs. List No.	Order Code	1+	25+	100+	250+
OPI1264A	326-630●	335.00	291.00	254.00	134.00
OPI1264C	232-520●	377.00	312.00	268.00	184.00
OPI1264D	121-0712●	373.00	315.00	278.00	179.00
OPI110A	232-531●	188.00	158.00	134.00	127.00
OPI110C	232-543●	201.00	170.00	145.00	127.00

Surface Mount, DIL 4



SFH6286-2/SFH6206-2

Surface mount lead form versions of the most popular 4 pin optocouplers. The design of the lead bend ensures that the creepage and clearance of ≥8mm is not compromised. Approved to IEC65, IEC950, BS6401, BSEN60065, BSEN60950, EN41003. UL recognised.

Isolation Voltage (pk) (AC RMS)	Curr. Trsfr Ratio % (min-max)	Breakdown V _(BR) CEO min	Mfrs. List No.	Order Code
Transistor Output				
5300	63 - 125 @ I _F =10mA	70	SFH6156-2T	104-5527
AC Input, Transistor Output				
5300	100 - 320 @ I _F =1mA	55	SFH6286-2T	104-5528
5300	63 - 125 @ I _F =10mA	70	SFH6206-2T	104-5529

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
Transistor Output						
SFH6156-2T	104-5527●	32.00	29.00	24.00	20.00	--
AC Input, Transistor Output						
SFH6286-2T	104-5528●	55.00	49.00	41.00	33.00	--
SFH6206-2T	104-5529●	48.00	42.00	35.00	28.00	--

Linear - IL300



$$K_1 = \frac{I_P}{I_F}, K_2 = \frac{I_{P2}}{I_F}, K_3 = \frac{K_2}{K_1}$$

- Couples ac and dc signals
- 0.01% servo linearity
- Wide bandwidth, >200kHz
- High gain stability, ±0.005%/°C
- Withstand test voltage 7500V ac (pk) (1 sec)

A unique optocoupler using two separate isolated photodiodes with matched characteristics, one of which is used as a feedback element. The combination of the linear photodiodes and the feedback concept enables construction of simple but accurate linear isolating circuits. Applications include switch mode power supply feedback and isolation of process control transducers. Approved to IEC65, IEC950, BS6301, BSEN60065, BSEN60950, EN41003.

IL300 has transfer gain (K3) of between 0.56 (min.) and 1.65 (max.).

IL300F offers a narrower selection band for K3 of between 0.95 (min.) and 1.056 (max.).

Mfrs. List No.	Order Code	1+	25+	100+	250+
IL300	104-5385●	178.00	158.00	132.00	107.00
IL300-F	104-5395●	857.00	764.00	636.00	514.00