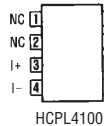
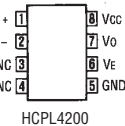


Agilent Technologies Optocouplers — Continued

20mA Current Loop



HCPL4100



HCPL4200



Agilent Technologies
Innovating the HP Way

UL recognised.

HCPL4100 : Optically coupled 20mA current loop transmitter. Optocoupler to operate as transmitter in 20mA current loop system. Internal shielding.

Supply voltage	4.5 to 20V	Data rate @ 400m line length	20K Baud
Common mode transient immunity	10kV/μs typ.	Output V_o	27V max.
		Withstand test voltage	3kV dc

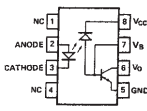
HCPL4200 : Optically coupled 20mA current loop receiver. Optocoupler to operate as receiver in 20mA current loop system. Internal shielding.

Supply voltage	4.5 to 20V	Data rate @ 1400m line length	20K Baud
Common mode transient immunity	10kV/μs typ.	Input hysteresis current	0.8mA typ.
		Withstand test voltage	3kV dc

OPT128

Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
Transmitter HCPL4100	326-719					
Receiver HCPL4200	326-720					

Wideband Analogue/Video



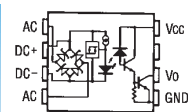
Agilent Technologies
Innovating the HP Way

- Wide bandwidth 17MHz (typ)
- Low temperature coefficient -0.3%/°C
- Withstand proof voltage 2500V ac 1 minute
- Provides isolation for analogue signals, ideal for video isolation
- high voltage gain 2.0 (typ)
- High linearity at low drive currents

OPT253

Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
HCPL-4562	492-024					

AC/DC to Logic Interfacing



UL recognised



Agilent Technologies
Innovating the HP Way

Optocouplers for voltage and current threshold detection, 5 – 240V ac/dc voltage sensing. **HCPL3760** is an upgraded version of HCPL3700, having low input current.

Input threshold current (typ.):		Output current (max.)	30mA
HCPL3700	2.5mA (on), 1.3mA (off)	Withstand test voltage	3000V dc
HCPL3760	1.2mA (on), 0.6mA (off)	Typ. data rate	4KHz

OPT125

Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
HCPL3700	326-872					
HCPL3760	326-884					

Surface Mount, SOIC-8 High Speed



Overall dimensions:
H = 5.8, W = 5.08, D = 3.2

Surface mount optocouplers in SOIC-8 package, compatible with standard surface mount processes. The electrical parameters are identical to the standard product. **UL** recognised.



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Type	Standard DIP Equivalent	Mfrs. List No.
Single Channel		
Darlington output, low input current, high CTR	6N138	HCPL0700
Darlington output, low input current, high CTR	6N139	HCPL0701
High speed	6N135	HCPL0500
High speed	6N136	HCPL0501
High speed, high CMR	HCPL4504	HCPL0454
High speed, high CMR	HCPL4503	HCPL0453
High speed, high CMR, logic gate	6N137	HCPL0600
High speed, high CMR, logic gate	HCPL2601	HCPL0601
High speed, high CMR, logic gate	HCPL2611	HCPL0611
High speed, high CMR, logic gate	HCPL-7710	HCPL-0710
High Speed CMOS	HCPL-7220	HCPL-0720
High Speed CMOS	HCPL-7721	HCPL-0721
High speed, high CMR, HCMOS compatible, logic gate	HCPL261A	HCPL061A
Very high CMR, IPM and gate drive interface	HCPL4506	HCPL0466
Very high CMR, logic gate	HCPL2201	HCPL0201
Very high CMR, logic gate	HCPL2211	HCPL0211

Type	Standard DIP Equivalent	Mfrs. List No.
Dual Channel		
Darlington output, low input current, high CTR	HCPL4731	HCPL073A
High speed	HCPL2530	HCPL0530
High speed	HCPL2531	HCPL0531
High speed	HCPL4534	HCPL0534
High speed, high CMR, logic gate	HCPL2630	HCPL0630
High speed, high CMR, logic gate	HCPL2631	HCPL0631
High speed, high CMR, logic gate	HCPL4661	HCPL0661
High speed, high CMR, HCMOS compatible, logic gate	HCPL263A	HCPL063A
High speed, high CMR, HCMOS compatible, logic gate	HCPL263N	HCPL063N
Low input current, high CTR	HCPL2730	HCPL0730
Low input current, high CTR	HCPL2731	HCPL0731

OPT238

Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
HCPL0700	941-943					
HCPL0701	941-955					
HCPL0500	941-992					
HCPL0501	232-373					
HCPL0454	942-108					
HCPL0453	232-361					
HCPL0600	232-385					
HCPL0601	549-617					
HCPL0611	942-212					
HCPL-0710	143-250					
HCPL-0720	143-261					
HCPL-0721	143-285					
HCPL061A	942-224					
HCPL0466	942-091					
HCPL0201	942-248					
HCPL0211	942-054					
Dual Channel						
HCPL073A	942-078					
HCPL0530	941-918					
HCPL0531	941-920					
HCPL0534	941-931					
HCPL0630	481-853					
HCPL0631	549-629					
HCPL0661	942-250					
HCPL063A	942-261					
HCPL063N	942-273					
HCPL0730	942-080					
HCPL0731	549-630					

Price Each

HP Designers Guide to Isolation Circuits
946-412

HP Regulatory Guide to Isolation Circuits
946-400

Optocouplers

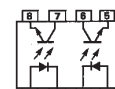
Transistor/Darlington Output – Single, Dual and Quad Without Base Connection



SFH610-2



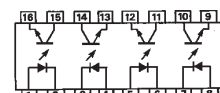
SFH615-2/
SFH618-4/TIL191



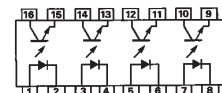
ILD74/CNY74-2



SFH620-2
SFH628-3



ILQ74/CNY74-4



TLP521-4A

All Infineon, TI and Toshiba types are **UL** recognised.

■ SFH617G-2 has lead spacing of 0.4" to conform to **VDE0805/0806** and **VDE 0110b**.
SFH610-2, SFH615-2, SFH617G-2, SFH618-4, SFH620-2 are approved to **IEC65, IEC950, BS6301, BSEN60065, BSEN60950, EN41003**.

OPT122

Channels (pk.)	Isolation Voltage (min)	Curr. Trsfr. Ratio @ I_f	Breakdown $V_{(BR)CEO}$ min.	Mfr.	Mfrs. List No.
Transistor Output					
Single	5300 dc	63% @ 10mA	70V	Infineon	SFH610-A2
Single	5300 dc	63% @ 10mA	70V	Infineon	SFH615-A2
Single	5300 dc	63% @ 10mA	70V	Infineon	■ SFH617G-2
Single	5300 dc	160% @ 1mA	55V	Infineon	SFH618-A4
Single	7500	20%	35V	TI	TIL917
Single	5000 rms	100% @ 5mA	55V	Toshiba	TLP621
Single	2500 rms	50% @ 5mA	55V	Toshiba	TLP521-1A