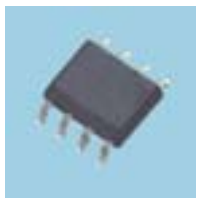


**Optocoupler - High Speed**  
High CMR



SMD - H = 3.65, W = 9.8, D = 6.35mm



DIL - H = 3.56, W = 9.65, D = 6.35mm

UL Recognised 3750 V<sub>RMS</sub> for 1 minute, CSA and IEC/EN/DIN EN 60747-5-2 Approved

Guaranteed Temperature Range	Input Current (mA)	Common Mode Rejection (KV/μs)	Voltage Supply (Vdc)	Number of Channels	Speed	Package	Mfrs. List No.
<b>TTL Compatible</b>							
-40 to 85°C	5mA	5	4.5 to 5.5	1	10MegaBaud	DIL	HCNW137-000E
-40 to 85°C	5mA	5	4.5 to 5.5	1	10MegaBaud	DIL	HCNW2601-000E
-40 to 85°C	5mA	5	4.5 to 5.5	1	10MegaBaud	DIL	HCPL-0601-500E
-40 to 85°C	5mA	5	4.5 to 5.5	2	10MegaBaud	SMD	HCPL-2631-300E
-40 to 85°C	5mA	10	4.5 to 5.5	2	10MegaBaud	DIL	HCPL-4661-020E
-40 to 85°C	5mA	10	4.5 to 5.5	2	10MegaBaud	SMD	HCPL-4661-300E
0 to 70°C	25mA	15	15 to 30	1	1MegaBaud	DIL	HCPL-4504-000E
0 to 70°C	25mA	15	15 to 30	2	1MegaBaud	SMD	HCPL-4534-300E
0 to 70°C	50mA	15	15 to 30	1	1MegaBaud	DIL	HCNW4502-000E
0 to 70°C	15mA	15	15 to 30	1	1MegaBaud	DIL	HCPL-2502-000E
0 to 70°C	15mA	1	15 to 30	1	1MegaBaud	DIL	HCPL-2502-300E
0 to 70°C	50mA	10	15 to 30	1	1MegaBaud	DIL	HCPL-0453-500E
-40 to 100°C	10mA	10	4.5 to 5.5	1	15MegaBaud	SMD	HCPL-0708-000E
-40 to 100°C	10mA	10	4.5 to 5.5	2	15MegaBaud	SMD	HCPL-0738-000E
<b>Low Power Consumption</b> - <1 mW, High CTR - 3500%							
0 to 70°C, ac & dc	40μA	10	1.6 to 18	1	100KiloBaud	DIL	HCPL-070A-000E
<b>Low Input Current</b>							
-40 to 85°C	0.5mA	400	4.75 to 5.25	2	8MegaBaud	DIL	HCPL-2300-560E
<b>High CMR Logic Gate</b>							
-40 to 85°C	1.8mA	10	4.5 to 20	1	5MegaBaud	SMD	HCPL-2211-300E
-40 to 85°C	1.8mA	10	4.5 to 20	2	5MegaBaud	SMD	HCPL-2231-300E
-40 to 85°C	1.8mA	1	4.5 to 20	2	5MegaBaud	SMD	HCPL-2232-300E
-40 to 70°C	4mA	10	4.75 to 5.25	1	40MegaBaud	SMD	HCPL-2400-300E

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
HCNW137-000E	854-9745	109.00	99.00	84.00	82.00	--
HCNW2601-000E	854-9753	114.00	104.00	88.00	85.00	--
HCPL-0601-500E	854-9788	109.00	99.00	84.00	82.00	--
HCPL-2631-300E	854-9907	169.00	154.00	129.00	126.00	--
HCPL-4661-020E	854-9982	241.00	220.00	186.00	180.00	--
HCPL-4661-300E	854-9990	241.00	220.00	186.00	180.00	--
HCPL-4504-000E	854-9966	112.00	102.00	85.00	84.00	--
HCPL-4534-300E	854-9974	188.00	170.00	144.00	140.00	--
HCNW4502-000E	854-9761	111.00	101.00	84.00	82.00	--
HCPL-2502-000E	854-9893	96.00	87.00	74.00	71.00	--
HCPL-2502-300E	108-5063	93.00	65.00	59.00	52.00	--
HCPL-0453-500E	854-9770	102.00	93.00	79.00	76.00	--
HCPL-0708-000E	854-9818	225.00	205.00	173.00	168.00	--
HCPL-0738-000E	854-9834	490.00	447.00	377.00	366.00	--
HCPL-070A-000E	854-9826	122.00	112.00	94.00	91.00	--
HCPL-2300-560E	854-9877	241.00	220.00	186.00	180.00	--
HCPL-2211-300E	854-9842	172.00	157.00	132.00	128.00	--
HCPL-2231-300E	854-9850	400.00	364.00	308.00	298.00	--
HCPL-2232-300E	854-9869	430.00	392.00	331.00	320.00	--
HCPL-2400-300E	854-9885	234.00	215.00	181.00	175.00	--

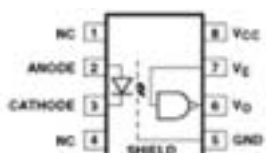
**Optocoupler - Transistor Output**  
High Speed



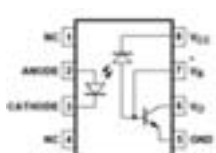
PDIP - H = 5.1, W = 11.15, D = 9.0mm



SO-8 - H = 3.175, W = 5.08, D = 3.937mm



8549796 & 8549800



8549761 & 8549770

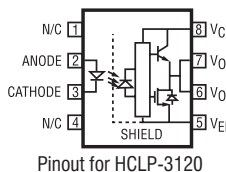
UL Recognised, CSA and IEC/EN/DIN EN 60747-5-2 Approved



Guaranteed Temperature Range	Current Transfer Ratio - min (%)	Common Mode Rejection (KV/μs)	Speed	Package Style	Mfrs. List No.
<b>Single Channel - TTL Compatible</b>					
0 to 70°C	19%	15	1Mbps	PDIP	HCNW4502-000E
0 to 70°C	19%	10	1Mbps	SO-8	HCPL-0453-500E
<b>Single Channel - LSTTL/TTL Compatible</b>					
-40 to 85°C (ac & dc)		10	10MegaBaud	SO-8	HCPL-0611-500E
<b>Single Channel - HCMOS/LSTTL/TTL Compatible</b>					
-40 to 85°C (ac & dc)		15	10MegaBaud	SO-8	HCPL-061N-000E

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
HCNW4502-000E	854-9761	111.00	101.00	84.00	82.00	--
HCPL-0453-500E	854-9770	102.00	93.00	79.00	76.00	--
HCPL-0611-500E	854-9796	131.00	120.00	101.00	98.00	--
HCPL-061N-000E	854-9800	124.00	113.00	95.00	92.00	--

**IGBT Gate Drive**



- 1.0V maximum low level output voltage eliminates the need for negative gate drive
- Undervoltage lock-out protection (UVLO) with hysteresis
- Wide operating V<sub>CC</sub> range: 15 to 30 volts
- Industrial temperature range: -40°C to 100°C
- UL recognised

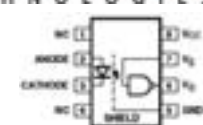
Peak Output Current (min.)	CMR (V/μs) (min.)	Supply Current V <sub>CM</sub> (max.)	Prop. Delay (μs) t <sub>PLH</sub> t <sub>PHL</sub>	Package	Mfrs. List No.	Order Code
A2	15000	1500	5 0.1 0.1	DIP8	HCPL-3120-000E	999-5439
A2	15000	1500	5 0.5 0.5	DIP8	HCNW-3120-000E	999-5056
A0.5	15000	1500	5 0.1 0.1	DIP8	HCPL-3150-000E	999-5447
A2	15000	1500	5 0.5 0.5	DIP8	HCPL-J312-000E	999-5048
A0.4	10000	1000	3 0.7 0.7	DIP8	HCPL-0314-000E	999-5064
A0.4	15000	1500	3 0.7 0.7	DIP8	HCPL-J314-000E	999-5080
A0.4	10000	1000	3 0.7 0.7	DIP8	HCPL-3140-000E	999-5072
A0.5	10	1000	12 0.2 0.3	SMD-DIP-8 (Gull wing)	HCPL-3140-300E	108-5047

Mfrs. List No.	Order Code	1+	10+	100+	500+	+
HCPL-3120-000E	999-5439	176.00	134.00	109.00	86.00	--
HCNW-3120-000E	999-5056	201.00	160.00	--	--	--
HCPL-3150-000E	999-5447	158.00	124.00	99.00	88.00	--
HCPL-J312-000E	999-5048	183.00	144.00	114.00	95.00	--
HCPL-0314-000E	999-5064	124.00	95.00	77.00	61.00	--
HCPL-J314-000E	999-5080	133.00	102.00	82.00	65.00	--
HCPL-3140-000E	999-5072	121.00	93.00	75.00	59.00	--
HCPL-3140-300E	108-5047	126.00	88.00	80.00	71.00	--

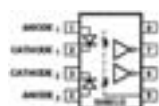
**Optocoupler - Logic Gate Output**  
10MBd and 40MBd Data-Rate



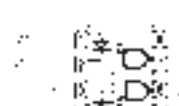
HCNW-2611



HCPL-261N



HCPL-263N



HCPL-2430



CSA and IEC/EN/DIN EN 60747-5-2 Approved, UL Recognised

Channels	CMR (V/μs) (min.) @ (VCM)	Input On-Current (mA)	Output Enable	Prop. Delay (ns) typ. t <sub>PHL</sub> (ON) t <sub>PLH</sub>	Mfrs. List No.
<b>10MBd Data-Rate (Typical), LSTTL/TTL Compatible</b>					
Single	10000	1000	5 Yes	50 48	HCNW2611-300E
<b>10MBd Data-Rate (Typical), HCMOS/LSTTL/TTL Compatible</b>					
Single	1000*	1000	3 Yes	53 52	HCPL-261N-300E
Dual	1000*	1000	3 No	53 52	HCPL-263N-300E
<b>40MBd Data-Rate (Typical), HCMOS/LSTTL/TTL Compatible</b>					
Dual	1000	50	4	33 30	HCPL-2430-000E

Mfrs. List No.	Order Code	1+	10+	100+	500+	+
<b>10MBd, LSTTL/TTL</b>						
<b>Single</b>						
HCNW2611-300E	913-0020	145.00	114.00	91.00	76.00	--
<b>10MBd, HCMOS/LSTTL/TTL</b>						
HCPL-261N-300E	913-0039	123.00	97.00	77.00	64.00	--

Optoelectronics, Indicators, Lamps & Displays

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Compliant  
Non-compliant  
RoHS  
Limited stock - RoHS replacement available