

Agilent Technologies Optocouplers - continued

Schmitt Trigger Output - - continued

Low Current, - continued

Low input current, logic gates with Schmitt trigger output. Compatible with CMOS, LSTTL and TTL logic.

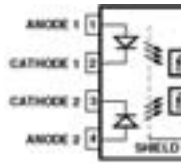
Channels	CMR (V μ s) (min.)	Output (ns) t _r t _f	i _{F(ON)}	Mfrs. List No.	Order Code
Single	1000	55 15	1.6	HCPL-2200-300E	108-5035
Single	1000	30 7	10	HCPL-2201-300E	108-5036
Single	1000	30 7	10	HCPL-2202-300E	108-5038
Single	1000	30 7	10	HCN2201-000E	108-5031
Single	10000	30 7	10	HCN2201-300E	108-5032
Single	2500	55 15	1.6	HCPL-2219-300E	108-5040
Single	10000*	30 7	10	HCPL-2212-300E	108-5039
Single	1000*	30 7	10	HCN2211-000E	108-5033
Single	10000*	30 7	10	HCN2211-300E	108-5034
Dual	5000*	30 7	1.8	HCPL-2232	232-932

* Minimum CMR of 10kV/ μ s with V^{CM} = 1000V can be achieved with input current, I_F of 5mA

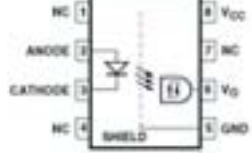
206228

Mfrs. List No.	Order Code	1+	10+	100+	500+	+
Single Channel						
HCPL-2200-000E	999-4920	180.00	141.00	112.00	94.00	--
HCPL-2200-300E	108-5035	195.00	137.00	124.00	110.00	--
HCPL-2201-000E	999-4939	180.00	141.00	112.00	94.00	--
HCPL-2201-300E	108-5036	195.00	137.00	124.00	110.00	--
HCPL-2202-000E	999-5234	176.00	139.00	111.00	92.00	--
HCPL-2202-300E	108-5038	191.00	134.00	122.00	108.00	--
HCN2201-000E	999-5242	204.00	160.00	128.00	106.00	--
HCN2201-000E	108-5031	243.00	170.00	155.00	137.00	--
HCN2201-300E	108-5032	246.00	172.00	157.00	139.00	--
HCPL-2219-000E	999-5250	226.00	177.00	141.00	118.00	--
HCPL-2219-300E	108-5040	247.00	173.00	158.00	140.00	--
HCPL-2211-000E	999-4947	198.00	156.00	124.00	103.00	--
HCPL-2212	942-030	198.00	156.00	124.00	103.00	--
HCPL-2212-300E	108-5039	210.00	146.00	133.00	118.00	--
HCN2211-000E	999-5269	220.00	173.00	138.00	115.00	--
HCN2211-000E	108-5033	261.00	183.00	166.00	147.00	--
HCN2211-300E	108-5034	262.00	184.00	167.00	148.00	--
Dual Channel						
HCPL-2231-000E	999-4955	471.00	371.00	295.00	246.00	--
HCPL-2232	232-932	510.00	401.00	316.00	282.00	--

Optocoupler - Schmitt Trigger Output High Speed 5MBd



HCPL-2212



HCPL-2232

High CMR optically coupled gates with Schmitt trigger output. Compatible with CMOS, LSTTL and TTL logic.

CSA & VDE Approved, BSI Certified and UL Recognised



Channels	CMR (V μ s) (min.)	Isolation Test Voltage V rms	Output (ns) t _r t _f	i _{F(ON)}	Supply Voltage	Order Code
Single	5000	2500	30 7	1.6	4.5 to 20V	912-9987
Double	5000	2500	30 7	1.8	4.5 to 20V	912-9812

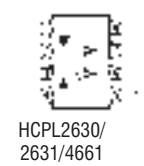
403179

Mfrs. List No.	Order Code	1+	10+	100+	500+	+
Single Channel						
HCPL-2212-000E	912-9987	173.00	136.00	115.00	102.00	--
Dual Channel						
HCPL-2232-000E	912-9812	424.00	334.00	282.00	249.00	--

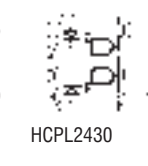
Logic Gate Output - Single and Dual, High Speed 40MBd and 40MBd Data-Rate



6N137/HCPL2601/2611 HCNW137/2601/2611

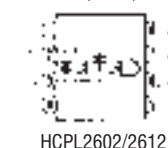


HCPL2630/2631/4661

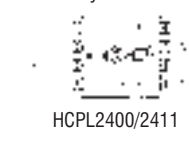


HCPL2430

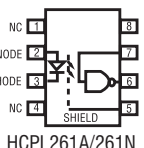
All UL recognised. HCPL7601/11, HCNW137/2601/2611 are VDE 0884 approved HCNW137/2601/2611 are wide body versions



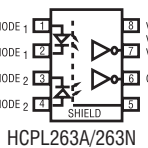
HCPL2602/2612



HCPL2400/2411



HCPL261A/261N



HCPL263A/263N

Withstand test voltage=2500Vrms (HCPL7601/11=3750V rms) (HCN2201/2601/2611=5000V rms)

Channels	CMR (V μ s) (min.)	@ (VCM)	Input On-Current (mA)	Output Enable	Prop. Delay (ns) typ. t _{PHL} (ON) t _{PLH}	Mfrs. List No.
10MBd Data-Rate (Typical), LSTTL/TTL Compatible						
Single	N/A	N/A	5	Yes	50 48	6N137-000E
Single	N/A	N/A	5	Yes	50 48	6N137-300E
Single	N/A	N/A	5	Yes	50 48	HCN2201-000E
Single	5000	50	5	Yes	50 48	HCN2201-300E
Single	5000	50	5	Yes	50 48	HCN2201-300E
Single	5000	50	5	Yes	50 48	HCN2201-300E
Single	10000	1000	5	Yes	50 48	HCN2201-300E
Single	10000	1000	5	Yes	50 48	HCN2201-300E
Single	5	1000	5	Yes	50 48	HCN2201-300E
Single	10000	1000	5	Yes	50 48	HCN2201-300E
Dual	N/A	N/A	5	Yes	50 48	HCPL-2630-000E
Dual	N/A	N/A	5	Yes	50 48	HCPL-2630-300E
Dual	5000	50	5	Yes	50 48	HCPL-2631-000E
Dual	10000	1000	5	No	50 48	HCPL-4661-000E
10MBd Data-Rate (Typical), HCMOS/LSTTL/TTL Compatible						
Single	1000	50	3	Yes	53 52	HCPL-261A-000E
Single	1000	50	3	Yes	12 42	HCPL-261A-300E
Single	1000*	1000	3	Yes	53 52	HCPL-261N-000E
Dual	1000	50	3	No	53 52	HCPL-263A-000E
Dual	1000	50	3	No	12 42	HCPL-263A-300E
Dual	1000*	1000	3	No	53 52	HCPL-263N-000E
10MBd Data-Rate (Typical), CMOS/TTL Compatible- Low current input						
Single	1000	50	2	No	57 55	HCPL-7601-000E
Single	1000	50	3	No	12 42	HCPL-263A-300E
Single	10000	1000	2	No	57 55	HCPL-7611-000E
Single	15	1000	2	No	57 55	HCPL-7611-300E
10MBd Data-Rate (Typical), High CMR Line Receiver						
Single	1000	50	5	Yes	50 48	HCPL-2602-000E
Single	1000	50	5	Yes	50 48	HCPL-2602-300E
Single	3500	300	5	Yes	50 48	HCPL-2612-000E
Single	3500	300	5	Yes	50 48	HCPL-2612-300E
40MBd Data-Rate (Typical), HCMOS/LSTTL/TTL Compatible						
Single	1000	50	4	3 State	33 30	HCPL-2400-000E
Single	1000	300	4	Output	33 30	HCPL-2411-000E
Dual	10	50	5		10 20	HCPL-2430-300E

* 15kV/ μ s with Vcm = 1kV can be achieved using HP application circuit

206203

Mfrs. List No.	Order Code	1+	10+	100+	500+	+
10MBd, LSTTL/TTL						
Single						
6N137-000E	999-4866	104.00	83.00	65.00	46.00	--
6N137-300E	108-5003	89.00	63.00	57.00	51.00	--
HCN2201-000E	108-5004	145.00	102.00	93.00	82.00	--
HCPL-2601-000E	999-4882	121.00	93.00	75.00	59.00	--
HCN2201-300E	108-5005	151.00	106.00	96.00	85.00	--
HCPL-2601-300E	108-5008	120.00	84.00	77.00	67.00	--
HCPL-2611-000E	999-5153	146.00	115.00	91.00	76.00	--
HCN2201-000E	108-5006	175.00	123.00	112.00	98.00	--
HCPL-2611-300E	108-5010	149.00	105.00	95.00	84.00	--
HCN2201-300E	999-5293	153.00	120.00	96.00	80.00	--
Dual						
HCPL-2630-000E	999-4904	176.00	139.00	111.00	98.00	--
HCPL-2630-300E	108-5014	195.00	137.00	124.00	110.00	--
HCPL-2631-000E	999-4912	195.00	153.00	122.00	102.00	--
HCPL-4661-000E	999-5307	282.00	222.00	177.00	157.00	--
10MBd, HCMOS/LSTTL/TTL						
HCPL-261A-000E	999-5315	133.00	102.00	82.00	65.00	--
HCPL-261A-300E	108-5012	140.00	98.00	89.00	79.00	--
HCPL-261N-000E	999-5323	132.00	104.00	83.00	69.00	--
Dual						
HCPL-263A-000E	999-5331	284.00	224.00	178.00	157.00	--
HCPL-263A-300E	108-5015	326.00	229.00	207.00	184.00	--
HCPL-263N-000E	999-5340	293.00	231.00	184.00	153.00	--
10MBd, High CNMR Line Receiver						
Single						
HCPL-7601-000E	999-5358	178.00	140.00	112.00	99.00	--
HCPL-7601-300E	108-5016	186.00	130.00	118.00	105.00	--
HCPL-7611-000E	999-5366	190.00	150.00	119.00	99.00	--
HCPL-7611-300E	108-5017	202.00	142.00	128.00	114.00	--
10MBd, HCMOS/LSTTL - Low Current Input						
Single						
HCPL-2602-000E	999-4890	367.00	289.00	230.00	192.00	--
HCPL-2602-300E	108-5009	388.00	272.00	246.00	220.00	--
HCPL-2612-000E	999-5374	395.00	310.00	247.00	206.00	--
HCPL-2612-300E	108-5011	448.00	314.00	285.00	253.00	--
40MBd, HCMOS/LSTTL/STTL/TTL						
Single						
HCPL-2400-000E	999-4874	273.00	215.00	171.00	152.00	--
HCPL-2411-000E	999-5420	306.00	240.00	191.00	159.00	--
Dual						
HCPL-2430-300E	108-5007	645.00	452.00	411.00	364.00	--