

Optocouplers

4-Pin DIP

Part Number	Forward Voltage V_F (V)	CTR @ 1mA I_F (%)		BV_{CEO} Min (V)	BV_{ECO} Min (V)	t_R/t_F Max (μ s)	V_{ISO} AC_{RMS} (V) 1 Minute
		Min	Max				
Photodarlington Output, DC Sensing Input							
H11B815	1.5	600	7500	35	6	300 / 250	5300
Part Number	Forward Voltage V_F (V)	CTR @ ± 1 mA I_F (%)		BV_{CEO} Min (V)	BV_{ECO} Min (V)	t_R/t_F Max (μ s)	V_{ISO} AC_{RMS} (V) 1 Minute
		Min	Max				
Phototransistor Output, AC Sensing Input							
H11AA814	1.5	20	300	70	6	2.4 / 2.4	5300
H11AA814A	1.5	50	150	70	6	2.4 / 2.4	5300
Part Number	Forward Voltage V_F (V)	CTR @ ≤ 10 mA I_F (%)		BV_{CEO} Min (V)	BV_{ECO} Min (V)	t_R/t_F Max (μ s)	V_{ISO} AC_{RMS} (V) 1 Minute
		Min	Max				
Phototransistor Output, DC Sensing Input							
H11A617A	1.5	40	80	70	7	2.4 / 2.4	5300
H11A617B	1.5	63	125	70	7	2.4 / 2.4	5300
H11A617C	1.5	100	200	70	7	2.4 / 2.4	5300
H11A617D	1.5	160	320	70	7	2.4 / 2.4	5300
H11A817	1.5	50	600	70	6	2.4 / 2.4	5300
H11A817A	1.5	80	160	70	6	2.4 / 2.4	5300
H11A817B	1.5	130	260	70	6	2.4 / 2.4	5300
H11A817C	1.5	200	400	70	6	2.4 / 2.4	5300
H11A817D	1.5	300	600	70	6	2.4 / 2.4	5300

4-Pin Full Pitch MFP

Part Number	Forward Voltage V_F (V)	CTR @ $\pm 5\text{mA } I_F$ (%)		BV_{CEO} Min (V)	BV_{ECO} Min (V)	t_R/t_F Max (μs)	V_{ISO} AC_{RMS} (V) 1 Minute
		Min	Max				
Phototransistor Output, AC Sensing Input							
HMAA2705	1.4	50	300	40	7	3 / 3	3750
Part Number	Forward Voltage V_F (V)	CTR @ $\leq 5\text{mA } I_F$ (%)		BV_{CEO} Min (V)	BV_{ECO} Min (V)	t_R/t_F Max (μs)	V_{ISO} AC_{RMS} (V) 1 Minute
		Min	Max				
Phototransistor Output, DC Sensing Input							
HMA121	1.3	50	600	80	7	3 / 3	3750
HMA124	1.3	100	1200	80	7	3 / 3	3750
HMA2701	1.4	50	300	40	7	3 / 3	3750

4-Pin Half Pitch MFP

Part Number	Forward Voltage V_F (V)	CTR @ $\pm 5\text{mA } I_F$ (%)		BV_{CEO} Min (V)	BV_{ECO} Min (V)	t_R/t_F Max (μs)	V_{ISO} AC_{RMS} (V) 1 Minute
		Min	Max				
Phototransistor Output, AC Sensing Input							
HMHAA280	1.4	50	600	80	7	3 / 3	2500
Part Number	Forward Voltage V_F (V)	CTR @ $5\text{mA } I_F$ (%)		BV_{CEO} Min (V)	BV_{ECO} Min (V)	t_R/t_F Max (μs)	V_{ISO} AC_{RMS} (V) 1 Minute
		Min	Max				
Phototransistor Output, DC Sensing Input							
HMHA2801	1.3	80	600	80	7	3 / 3	2500
HMHA281	1.3	50	600	80	7	3 / 3	2500

4-Pin, TO-18

Part Number	CTR @ 10mA I _f (%)		BV _{CEO} Min (V)	BV _{CBO} Min (V)	BV _{EBO} Min (V)	V _{CE(SAT)} Max (V)	V _{ISO} DC _{RMS} (V) 1 Second
	Min	Max					
Hermetic Phototransistor Output, DC Sensing Input							
MCT4	15	–	30	–	7	0.5	1000
MCT4R	15	–	30	–	7	0.5	1000

6-Pin DIP

Part Number	V _{IH} Min (V)	V _{IL} Max (V)	V _{OL} Max (V)	I _{OL} Min (mA)	t _{PHL} /t _{PLH} Max (µs)	V _{ISO} AC _{RMS} (V) 1 minute
10 Mbit/s High-Speed Logic-to-Logic (OPTOLOGIC) – LSTTL to CMOS Buffer, DC Sensing Input						
740L6010	2	0.8	0.6	16	0.12 / 0.18	5300
10 Mbit/s High-Speed Logic-to-Logic (OPTOLOGIC) – LSTTL to CMOS Inverter, DC Sensing Input						
740L6011	2	0.8	0.6	16	0.12 / 0.18	5300
10 Mbit/s High-Speed Logic-to-Logic (OPTOLOGIC) – LSTTL to TTL Buffer, DC Sensing Input						
740L6000	2	0.8	0.6	16	0.1 / 0.1	5300
10 Mbit/s High-Speed Logic-to-Logic (OPTOLOGIC) – LSTTL to TTL Inverter, DC Sensing Input						
740L6001	2	0.8	0.6	16	0.1 / 0.1	5300
Part Number	R _{DS} (Ω)		V _{BR} Min (V)	I ₄₆ Max (nA)	t _{ON} /t _{OFF} Max (µs)	V _{ISO} AC _{RMS} (V) 1 minute
	On (Max)	Off (Min)				
Bilateral Analog FET Output, DC Sensing Input						
H11F1	200	300M	30	50	25 / 25	5300
H11F2	330	300M	30	50	25 / 25	5300
H11F3	470	300M	15	50	25 / 25	5300
Part Number	CTR @ ≤ 10mA I _F (%)		BV _{CEO} Min (V)	BV _{CBO} Min (V)	BV _{ECO} Min (V)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
High Voltage Photodarlington Output, DC Sensing Input						
H11G1	1000	–	100	100	7	5300
H11G2	1000	–	80	80	7	5300
H11G3	200	–	55	55	7	5300

6 Pin DIP (Continued)

Part Number	CTR @ 10mA I _F (%)		BV _{CEO} Min (V)	BV _{CBO} Min (V)	BV _{ECO} Min (V)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
High Voltage Phototransistor Output, DC Sensing Input						
4N38	20	—	80	80	7	5300
H11D1	20	—	300	300	7	5300
H11D2	20	—	300	300	7	5300
H11D3	20	—	200	200	7	5300
H11D4	10	—	200	200	7	5300
MOC8204	20	—	400	400	7	5300

Part Number	I _{FT} Min (mA)	V _{TM} Max (V)	V _{DRM} Min (V)	I _{DM} Max (μA)	I _H Max (mA)	V _{ISO} AC _{RMS} (V) 1 minute
Photo SCR Output, DC Threshold Sensing Input						
4N39	14	1.3	200	50	1	5300
4N40	14	1.3	400	150	1	5300
H11C1	11	1.3	200	50	—	5300
H11C2	11	1.3	200	50	—	5300
H11C3	14	1.3	200	50	—	5300
H11C4	11	1.3	400	150	—	5300
H11C5	11	1.3	400	150	—	5300
H11C6	14	1.3	400	150	—	5300

6-Pin DIP (Continued)

Part Number	CTR @ 10mA I _F (%)		BV _{CEO} Min (V)	BV _{CBO} Min (V)	BV _{ECO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max					
Photodarlington Output, DC Sensing Input							
4N29	100	—	30	30	5	5 / 40	5300
4N30	100	—	30	30	5	5 / 40	5300
4N31	50	—	30	30	5	5 / 40	5300
4N32	500	—	30	30	5	5 / 100	5300
4N33	500	—	30	30	5	5 / 100	5300
CNX48U	600	—	30	30	7	70 / 190	5300
H11B1	500	—	25	30	7	25 / 18	5300
H11B2	200	—	25	30	7	25 / 18	5300
H11B255	100	—	55	55	7	25 / 18	5300
H11B3	100	—	25	30	7	25 / 18	5300
MOC8080	500	—	55	55	7	3.5 / 25	5300
TIL113	300	—	30	30	7	0.35 / 55	5300

Part Number	CTR @ 10mA I _F (%)		BV _{CEO} Min (V)	BV _{ECO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
Photodarlington Output (No Base Connection), DC Sensing Input						
MOC119	300	—	30	7	3.5 / 95	5300
MOC8020	500	—	50	5	3.5 / 95	5300
MOC8021	1000	—	50	5	3.5 / 95	5300
MOC8030	300	—	80	5	3.5 / 95	5300
MOC8050	500	—	80	5	3.5 / 95	5300

Part Number	CTR @ ≤ 10mA I _F (%)		BV _{CEO} Min (V)	BV _{ECO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
Phototransistor Output, AC Sensing Input						
H11AA1	20	—	30	70	7	5300
H11AA2	10	—	30	70	7	5300
H11AA3	50	—	30	70	7	5300
H11AA4	100	—	30	70	7	5300

6-Pin DIP (Continued)

Part Number	CTR @ $\leq 10\text{mA } I_f$ (%)		BV _{CEO} Min (V)	BV _{CBO} Min (V)	BV _{ECCO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max					
Phototransistor Output, DC Sensing Input							
4N25	20	—	30	70	7	2 / 2	5300
4N25-M	20	—	30	70	7	2 / 2	4200
4N26	20	—	30	70	7	2 / 2	5300
4N26-M	20	—	30	70	7	2 / 2	4200
4N27	10	—	30	70	7	2 / 2	5300
4N27-M	10	—	30	70	7	2 / 2	4200
4N28	10	—	30	70	7	2 / 2	5300
4N28-M	10	—	30	70	7	2 / 2	4200
4N35	100	—	30	70	7	2 / 2	5300
4N35-M	100	—	30	70	7	2 / 2	4200
4N36	100	—	30	70	7	2 / 2	5300
4N36-M	100	—	30	70	7	2 / 2	4200
4N37	100	—	30	70	7	2 / 2	5300
4N37-M	100	—	30	70	7	2 / 2	4200
CNX35U	40	160	30	70	7	—	5300
CNX36U	80	200	30	70	7	—	5300
CNX38U	70	210	80	120	7	—	5300
CNX39U	60	100	30	70	7	—	5300
CNX83A.W	40	250	50	70	7	3 / 3	5300
CNY17-1	40	80	70	70	7	—	5300
CNY17-1-M	40	80	70	70	7	—	4200
CNY17-2	63	125	70	70	7	—	5300
CNY17-2-M	63	125	70	70	7	—	4200
CNY17-3	100	200	70	70	7	—	5300
CNY17-3-M	100	200	70	70	7	—	4200
CNY17-4	160	320	70	70	7	—	5300
HT1A1	50	—	30	70	7	2 / 2	5300
HT1A1-M	50	—	30	70	7	2 / 2	4200
HT1A2	20	—	30	70	7	2 / 2	5300
HT1A2-M	20	—	30	70	7	2 / 2	4200

6-Pin DIP (Continued)

Part Number	CTR @ $\leq 10\text{mA } I_f$ (%)		BV _{CEO} Min (V)	BV _{CBO} Min (V)	BV _{ECCO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max					
Phototransistor Output, DC Sensing Input (Continued)							
HT1A3	20	—	30	70	7	2 / 2	5300
HT1A3-M	20	—	30	70	7	2 / 2	4200
HT1A4	10	—	30	70	7	2 / 2	5300
HT1A4-M	10	—	30	70	7	2 / 2	4200
HT1A5	30	—	30	70	7	2 / 2	5300
HT1A5-M	30	—	30	70	7	2 / 2	4200
HT1AV1A-M	100	300	70	70	7	—	4200
HT1AV1-M	100	300	70	70	7	—	4200
HT1AV2A-M	50	—	70	70	7	—	4200
HT1AV2-M	50	—	70	70	7	—	4200
MCT2	20	—	30	70	7	2 / 2	5300
MCT210	150	—	30	30	6	2 / 2	5300
MCT2200	20	—	30	70	7	2 / 2	5300
MCT2201	100	—	30	70	7	2 / 2	5300
MCT2202	63	125	30	70	7	2 / 2	5300
MCT271	45	90	30	70	7	1 / 48	5300
MCT2E	20	—	30	70	7	2 / 2	5300
MCT2E-M	20	—	30	70	7	2 / 2	4200
MCT2-M	20	—	30	70	7	2 / 2	4200
MOC8100-M	50	—	30	70	—	—	4200
SL5500	50	300	30	30	7	—	5300
SL5501	25	400	30	30	7	—	5300
SL5504	25	400	80	120	7	—	5300
SL5511	25	—	30	30	7	—	5300
SL5583.W	40	320	50	70	7	3 / 3	5300
TIL111	12.5	—	30	70	—	—	5300
TIL111M	12.5	—	30	70	7	—	4200
TIL117M	50	—	30	70	7	—	4200

6-Pin DIP (Continued)

Part Number	CTR @ $\leq 10\text{mA } I_F$ (%)		BV _{CEO} Min (V)	BV _{CBO} Min (V)	BV _{EBO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max					
Phototransistor Output, Low Current DC Sensing Input							
HT1AG1	300	–	30	70	7	5 / 5	5300
HT1AG2	200	–	30	70	7	5 / 5	5300
HT1AG3	100	–	30	70	7	5 / 5	5300
MCT5200	75	–	30	30	–	–	5300
MCT5201	120	–	30	30	–	–	5300
MCT5210	60	–	30	30	–	–	5300
MCT5211	100	–	30	30	–	–	5300

Part Number	CTR @ 10mA I _F (%)		BV _{CEO} Min (V)	BV _{EBO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
Phototransistor Output (No Base Connection), DC Sensing Input						
CNX82A.W	40	250	50	7	3 / 3	5300
CNY17F-1	40	80	70	7	2 / 3	5300
CNY17F-2	63	125	70	7	2 / 3	5300
CNY17F-3	100	200	70	7	2 / 3	5300
CNY17F-4	160	320	70	7	2 / 3	5300
MOC8101	50	80	30	7	2 / 3	5300
MOC8102	73	117	30	7	2 / 3	5300
MOC8103	108	173	30	7	2 / 3	5300
MOC8104	160	256	30	7	2 / 3	5300
MOC8105	65	133	30	7	2 / 3	5300
MOC8106	50	150	70	7	2 / 3	5300
MOC8107	100	300	70	7	2 / 3	5300
MOC8108	250	600	70	7	2 / 3	5300
MOC8111	20	–	70	7	6 / 5.5	5300
MOC8112	50	–	70	7	6 / 5.5	5300
MOC8113	100	–	70	7	6 / 5.5	5300
SL5582.W	40	320	50	7	3 / 3	5300

6-Pin DIP (Continued)

Part Number	I_{FT} Max (mA)	V_{TM} Max (V)	V_{DRM} Min (V)	I_H Typ (V/ μ A)	I_{DRM} Max (nA)	V_{ISO} AC_{RMS} (V) 1 minute
Random Phase Triac Driver Output, DC Threshold Sensing Input						
MOC3010-M	15	3	250	100	100	4200
MOC3011-M	10	3	250	100	100	4200
MOC3012-M	5	3	250	100	100	4200
MOC3020-M	30	3	400	100	100	4200
MOC3021-M	15	3	400	100	100	4200
MOC3022-M	10	3	400	100	100	4200
MOC3023-M	5	3	400	100	100	4200
MOC3051-M	15	2.5	600	280	100	4200
MOC3052-M	10	2.5	600	280	100	4200

Part Number	I_{FT} (ON) Max (mA)	I_{FT} (OFF) Max (mA)	V_{CC} Max (V)	V_{OL} Max (V)	$I_{CC(ON)}$ Max (mA)	V_{ISO} AC_{RMS} (V) 1 minute
Schmitt Trigger Output, DC Threshold Sensing Input						
HT111-M	1.6	0.3	15	0.4	5	4200
HT112-M	10	0.3	15	0.4	5	4200
HT113-M	5	0.3	15	0.4	5	4200

Part Number	I_{FT} (ON) Max (mA)	I_{FT} (OFF) Max (mA)	t_{PHL}/t_{PLH} Max (μ s)	V_{OL} Max (V)	$I_{CC(ON)}$ Max (mA)	V_{ISO} AC_{RMS} (V) 1 minute
Schmitt Trigger Output, DC Threshold Sensing Input						
HT1N1-M	3.2	0.3	.330 / .330	0.5	10	4200
HT1N2-M	5	0.3	.330 / .330	0.5	10	4200
HT1N3-M	10	0.3	.330 / .330	0.5	10	4200

6-Pin DIP (Continued)

Part Number	I_{FT} (ON) Max (mA)	V_{TM} Max (V)	V_{DRM} Max (V)	I_{DRM1} Max (nA)	V_{ISO} AC_{RMS} (V) 1 minute
Zero Crossing Triac Driver Output, DC Threshold Sensing Input					
MOC3031-M	15	3	250	100	4200
MOC3032-M	10	3	250	100	4200
MOC3033-M	5	3	250	100	4200
MOC3041-M	15	3	400	100	4200
MOC3042-M	10	3	400	100	4200
MOC3043-M	5	3	400	100	4200
MOC3061-M	15	3	600	500	4200
MOC3062-M	10	3	600	500	4200
MOC3063-M	5	3	600	500	4200
MOC3081-M	15	3	800	500	4200
MOC3082-M	10	3	800	500	4200
MOC3083-M	5	3	800	500	4200
MOC3162-M	10	3	600	100	4200
MOC3163-M	5	3	600	100	4200

8-Pin DIP

Part Number	CTR @ 16 mA I _F (%)		V _{OL} Max (V)	I _{CCL} Max (μA)	t _{PHL} /t _{PLH} Max (μs)	V _{ISO} AC _{RMS} (V) 1 minute	
	Min	Max					
1 Mbit/s High-Speed Transistor Output, DC Sensing Input							
6N135	7	50	0.4	200	1.5 / 1.5	2500	
6N136	19	50	0.4	200	0.8 / 0.8	2500	
HCPL-2503	12	—	0.4	200	0.8 / 0.8	2500	
HCPL-4502	19	50	0.4	200	0.8 / 0.8	2500	
1 Mbit/s High-Speed Transistor Output (Dual Channel), DC Sensing Input							
HCPL-2530	7	50	0.5	400	1.5 / 1.5	2500	
HCPL-2531	19	50	0.5	400	0.8 / 0.8	2500	
Part Number	I _{FT} Max (mA)	V _{OL} Max (V)	I _{CCH} Max (mA)	I _{CCL} Max (mA)	t _{PHL} /t _{PLH} Max (μs)	V _{ISO} AC _{RMS} (V) 1 minute	
10 Mbit/s High-Speed Logic Gate Output, DC Threshold Sensing Input							
6N137	5	0.6	10	13	0.08 / 0.08	2500	
HCPL-2601	5	0.6	10	13	0.08 / 0.08	2500	
HCPL-2611	5	0.6	10	13	0.08 / 0.08	2500	
10 Mbit/s High-Speed Logic Gate Output, (Dual Channel), DC Threshold Sensing Input							
HCPL-2630	5	0.6	15	21	0.08 / 0.08	2500	
HCPL-2631	5	0.6	15	21	0.08 / 0.08	2500	
Part Number	I _{TH+} Max (mA)	I _{TH-} Max (mA)	V _{TH+} (DC) Max (V)	V _{TH-} (DC) Max (V)	V _{TH+} (AC) Max (V)	V _{TH-} (AC) Max (V)	V _{ISO} AC _{RMS} (V) 1 minute
AC/DC to Logic Interface, AC Threshold Sensing Input							
HCPL-3700	3.11	1.62	4.05	2.86	5.5	4.2	2500

8-pin DIP (Continued)

Part Number	CTR @ 1.6 mA I _f (%)		V _{OL} Max (V)	I _{OH} Max (μA)	t _{PHL} /t _{PLH} Max (μs)	V _{ISO} AC _{RMS} (V) 1 minute	
	Min	Max					
High-Gain Split Photodarlington Output, Low Current DC Sensing Input							
6N138	300	—	0.4	250	10 / 35	2500	
6N139	500	—	0.4	100	25 / 60	2500	
Part Number	CTR @ 1.6 mA I _f (%)		V _{OL} Max (V)	I _{CCL} Max (μA)	t _{PHL} /t _{PLH} Max (μs)	V _{ISO} AC _{RMS} (V) 1 minute	
	Min	Max					
High-Gain Split Photodarlington Output (Dual Channel), Low Current DC Sensing Input							
HCPL-2730	300	—	0.4	3	20 / 35	2500	
HCPL-2731	500	—	0.4	3	20 / 35	2500	
Part Number	I _{I(ON)} RMS Min (mA)	I _{I(OFF)} RMS Min (mA)	V _{CC} Max (V)	V _{I(ON)} RMS Min (V)	V _{I(OFF)} RMS Max (V)	I _{OH} Max (μA)	V _{ISO} AC _{RMS} (V) 1 minute
	Logic Output, AC Threshold Sensing Input						
MD400	4	0.15	7	90	5.5	100	2500
Part Number	V _{REF} Min (V)	V _{REF} Max (V)	CTR @ 10 mA I _f (%)		BV _{CEO} Min (V)	V _{ISO} AC _{RMS} (V) 1 minute	
			Min	Max			
Optically Isolated Error Amplifier, DC Sensing Input with Voltage Reference							
FOD2711	1.221	1.259	100	200	70	5000	
FOD2741A	2.482	2.508	100	200	70	5000	
FOD2741B	2.470	2.520	100	200	70	5000	
FOD2741C	2.450	2.550	100	200	70	5000	
Part Number	CTR @ 10mA I _f (%)**		BV _{CEO} Min (V)	BV _{ECO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute	
	Min	Max					
Phototransistor Output (Dual Channel), DC Sensing Input							
MCT6	20	—	30	6	2.4 / 2.4	2500	
MCT61	50	—	30	6	2.4 / 2.4	2500	
MCT62	100	—	30	6	2.4 / 2.4	2500	
Part Number	CTR @ 5mA I _f (%)		BV _{CEO} Min (V)	BV _{ECO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute	
	Min	Max					
Phototransistor Output (Dual Channel), DC Sensing Input							
MCT9001	50	600	55	7	3 / 3	2500	

8-Pin SOIC

Part Number	CTR @ 16mA I _f (%)		V _{OL} Max (V)	I _{CCL} Max (μA)	t _{PHL} /t _{PLH} Max (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
1 Mbit/s High-Speed Transistor Output, DC Sensing Input						
HCPL-0452	19	50	0.4	200	0.8 / 0.8	2500
HCPL-0500	7	50	0.4	200	1.5 / 1.5	2500
HCPL-0501	19	50	0.4	200	0.8 / 0.8	2500

Part Number	I _{FT} Max (mA)	V _{OL} Max (V)	I _{CCH} Max (V)	I _{CCL} Max (μA)	t _{PHL} /t _{PLH} Max (μs)	V _{ISO} AC _{RMS} (V) 1 minute
10 Mbit/s High-Speed Logic Gate Output, DC Threshold Sensing Input						
HCPL-0600	5	0.6	10	13	0.08 / 0.08	2500
HCPL-0601	5	0.6	10	13	0.08 / 0.08	2500

Part Number	CTR @ 1.6mA I _f (%)		V _{OL} Max (V)	I _{OH} Max (μA)	t _{PHL} /t _{PLH} Max (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
High-Gain Split Photodarlington Output, Low Current DC Sensing Input						
HCPL-0700	300	2600	0.4	250	10 / 35	2500
HCPL-0701	500	2600	0.4	100	25 / 60	2500

Part Number	V _{REF} Min (V)	V _{REF} Max (V)	CTR @ 10mA I _f (%)		BV _{CEO} Min (V)	V _{ISO} AC _{RMS} (V) 1 minute
			Min	Max		
Optically Isolated Error Amplifier, DC Sensing Input with Voltage Reference						
FOD2712	1.221	1.259	100	200	70	2500
FOD2742A	2.482	2.508	100	200	70	2500
FOD2742B	2.470	2.520	100	200	70	2500
FOD2742C	2.450	2.550	100	200	70	2500

Part Number	CTR @ 1mA I _f (%)		BV _{CEO} Min (V)	BV _{ECO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
Photodarlington Output, DC Sensing Input						
MOC223-M	500	—	30	7	3.5 / 95	2500
Photodarlington Output (Dual Channel), DC Sensing Input						
MOC223-M	500	—	30	7	3.5 / 95	2500

8-Pin SOIC (Continued)

Part Number	CTR @ $\pm 10\text{mA } I_f$ (%)		BV _{CEO} Min (V)	BV _{ECO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
Phototransistor Output, AC Sensing Input						
MOC256-M	20	–	30	70	5	2500
Part Number	CTR @ $\leq 10\text{mA } I_f$ (%)		BV _{CEO} Min (V)	BV _{ECO} Min (V)	t _{ON} /t _{OFF} Typ (μs)	V _{ISO} AC _{RMS} (V) 1 minute
	Min	Max				
Phototransistor Output, DC Sensing Input						
MOC205-M	40	80	70	7	3 / 2.8	2500
MOC206-M	63	125	70	7	3 / 2.8	2500
MOC207-M	100	200	70	7	3 / 2.8	2500
MOC208-M	40	125	70	7	3 / 2.8	2500
MOC211-M	20	–	30	7	7.5 / 5.7	2500
MOC212-M	50	–	30	7	7.5 / 5.7	2500
MOC213-M	100	–	30	7	7.5 / 5.7	2500
MOC215-M	20	–	30	7	7.5 / 5.7	2500
MOC216-M	50	–	30	7	7.5 / 5.7	2500
MOC217-M	100	–	30	7	7.5 / 5.7	2500
Phototransistor Output (Dual Channel), DC Sensing Input						
MOCD207-M	100	200	70	7	3 / 2.8	2500
MOCD208-M	40	125	70	7	3 / 2.8	2500
MOCD211-M	20	–	30	7	7.5 / 5.7	2500
MOCD213-M	100	–	70	7	3 / 2.8	2500
MOCD217-M	100	–	30	7	7.5 / 5.7	2500