

FAIRCHILD Optocoupler Products



RoHS Compliant This product is RoHS compliant.

GATE DRIVE OUTPUT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Safety Standard	Cont. Output Current	I _F (Max) (mA)	V _R (Max) (V)	Turn-on/Turn-Off (Max) (μs)	Rise/Fall (Max) (ns)	Isolation Voltage (V _{ISO})	P _{DO} (mW)	Price Each			
Mfr.	Mfr. Part No.										1	25	100	250
512	FOD8316	SO-16	UL	2.5	15	2.0	4.0/3.0	34/34	4,243	100	5.00	4.50	4.10	3.70
512	FOD8320	SOP-6	UL	2.5	25	5.0	0.8/0.4	60/60	5,000	500	3.33	2.67	2.07	1.97
512	FOD8321R2	SOP-5	UL	2.5	25	5.0	0.8/0.4	500/500	5,000	500	1.98	1.77	1.59	1.42

HIGH-SPEED TRANSISTOR OUTPUT

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Safety Standard	I _{F(AVG)} (mA)	Max. Supply Voltage (V)	Data Rate (Typ.) (Mbits/s)	Delay Time t _{PHL} /t _{PLH} (Typ)(μs)	Isolation Voltage (V _{ISO})	Current Transfer Ratio (Min/Typ/Max)(%)	Price Each			
Mfr.	Mfr. Part No.									1	25	100	250
Single Channel													
512	6N135	DIP-8	UL	25	30	1	0.45/0.50	2.5kV	7/18/50	.78	.70	.634	.598
512	6N136	DIP-8	UL	25	30	1	0.45/0.30	2.5kV	19/27/50	.97	.825	.769	.675
512	6N136S	SMDIP-8	UL	25	30	1	0.45/0.30	2.5kV	19/27/50	.97	.93	.769	.675
512	HCPL0501	SOIC-8	UL/BSI/VDE	25	30	1	0.45/0.30	2.5kV	19/27/50	1.79	1.35	1.15	1.04
512	FODM453	MFP-5	UL	25	30	1	0.40/0.35	3.75kV	20/-/50	2.28	2.00	1.65	1.20
512	6N137	DIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	-/-/-	.95	.79	.753	.661
512	FODM611	SO-5	UL	50	5.5	10	0.043/0.05	3.75kV	-/-/-	1.46	1.30	1.17	1.04
512	FODM8061	SO-5	UL	50	5.5	10	0.043/0.05	3.75kV	-/-/-	1.52	1.33	1.23	1.05
512	6N137S	SMDIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	-/-/-	.95	.87	.753	.661
512	6N137SD	SMDIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	-/-/-	1.15	.954	.915	.796
512	6N137M	DIP-8	UL	50	7.0	10	0.040/0.040	2.5kV	-/-/-	1.02	.85	.68	.64
512	FODM611R2	MFP-5	UL	50	7.0	10	0.043/0.050	3.75kV	-/-/-	2.16	1.86	1.48	1.29
512	HCPL0600	SOIC-8	UL	50	7.0	10	0.020/0.025	2.5kV	-/-/-	2.58	1.87	1.66	1.51
512	HCPL0611	SOIC-8	UL	50	7.0	10	0.020/0.025	2.5kV	-/-/-	2.84	2.60	2.36	1.98
512	HCPL-2601	DIP-8	UL	50	7.0	10	0.045/0.045	2.5kV	-/-/-	1.62	1.10	1.04	.941
512	HCPL-2601S	SMDIP-8	UL	50	7.0	10	0.045/0.045	2.5kV	-/-/-	1.35	1.07	.809	.755
Dual Channel													
512	HCPL2531SD	SMD-8	UL	25	5.5	1	0.45/0.3	10kV	19/27/50	1.91	1.71	1.54	1.36
512	HCPL-2530	DIP-8	UL	25	30	1	0.45/0.50	2.5kV	7/18/50	2.28	1.58	1.47	1.32
512	HCPL-2531	DIP-8	UL	25	30	1	0.45/0.30	2.5kV	19/27/50	2.28	1.74	1.47	1.32
512	HCPL-2630	DIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	-/-/-	3.01	2.01	1.94	1.74
512	HCPL-2630S	SMDIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	-/-/-	3.30	2.55	2.13	1.94
512	HCPL-2631	DIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	-/-/-	2.46	2.25	1.58	1.42
512	HCPL-2631S	SMDIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	-/-/-	2.40	2.20	2.00	1.68
512	HCPL2631SD	SMDIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	-/-/-	2.69	1.84	1.74	1.58
512	HCPL2630.SD	SMD-8	UL	50	5.5	10	0.075/0.075	10kV	-/-/-	2.77	2.47	2.23	1.98

HIGH-SPEED, HIGH-CMR, LOGIC GATE

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Safety Standard	Input Current (μA)	Max. Supply Voltage (V)	Data Rate (Typ.) (Mbits/s)	Delay Time t _{PHL} /t _{PLH} (Typ)(μs)	Isolation Voltage (V _{ISO})	Output Rise/Fall Times (Typ)(ns)	Price Each			
Mfr.	Mfr. Part No.									1	25	100	250
Single Channel													
512	FOD0710	SOIC-8	UL	±10	6.0	12.5	0.021/0.023	3.75kV	5.0/4.5	4.42	3.19	2.83	2.56
512	FOD0720	SOIC-8	UL	±10	6.0	25	0.021/0.023	3.75kV	5.0/4.5	4.87	3.51	3.12	2.82
512	FOD0721	SOIC-8	UL	±10	6.0	25	0.021/0.023	3.75kV	5.0/4.5	5.35	3.85	3.42	3.10
512	FOD8001	SOIC-8	UL	±10	5.5	25	0.025/0.025	3.75kV	6.5/6.5	6.13	4.46	3.90	3.56
Dual Channel													
512	FOD8012	SOIC-8	UL	±10	6.0	15	0.037/0.040	3.75kV	6.5/6.5	4.00	2.88	2.56	2.32
512	FODM453	MFP-5	UL	25	30	1	0.40/0.35	3.75kV	20/-/50	2.28	2.00	1.65	1.20

HIGH-SPEED IGBT/MOSFET GATE DRIVER

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Safety Standard	I _{F(AVG)} (mA)	Max. Supply Voltage (V)	Data Rate (Typ.) (Mbits/s)	Delay Time t _{PHL} /t _{PLH} (Typ)(μs)	Isolation Voltage (V _{ISO})	I _{OH} (Min)(A)	I _{OL} (Min)(A)	Price Each			
Mfr.	Mfr. Part No.										1	25	100	250
Single Channel														
512	FOD3180	DIP-8	UL	25	25	1.0	0.20/0.20	5.0kV	2	2	1.66	1.55	1.24	1.20
512	FOD3180S	SMDIP-8	UL	25	25	1.0	0.20/0.20	5.0kV	2	2	1.85	1.65	1.48	1.37
512	FOD3180TV	DIP-8	UL/VDE	25	25	1.0	0.20/0.20	5.0kV	2	2	1.80	1.46	1.34	1.24
512	FOD3184S	SMDIP-8	UL	25	35	1.0	0.12/0.145	5.0kV	-0.9	0.5	5.49	4.72	3.76	3.27

PHOTODARLINGTON OUTPUT

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Safety Standard	I _F (Max) (mA)	V _R (Max) (V)	Data Rate (Typ.) (Mbits/s)	Delay Time t _{PHL} /t _{PLH} (Typ)(μs)	Isolation Voltage (V _{ISO})	Current Transfer Ratio (Min/Typ/Max)(%)	Price Each			
Mfr.	Mfr. Part No.									1	25	100	250
Single Channel													
512	6N138	DIP-8	UL	20	5.0	0.1	1.5/7.0	2.5kV	300/1300/----	.98	.66	.534	.414
512	6N138S	SMDIP-8	UL	20	5.0	0.1	1.5/7.0	2.5kV	300/1300/----	1.12	.94	.799	.679
512	6N139	DIP-8	UL	20	5.0	0.1	0.2/12	2.5kV	400/1100/----	.98	.792	.78	.684
512	6N139M	DIP-8	UL	20	5.0	0.1	0.24/13.6	5.0kV	400/2000/----	1.43	1.16	.81	.771
512	6N139S	SMDIP-8	UL	20	5.0	0.1	0.2/12	2.5kV	400/1100/----	1.12	.94	.799	.679
512	HCPL0701	SOIC-8	UL/BSI/VDE	20	5.0	0.1	3.0/30.30	2.5kV	500/----/2600	1.82	1.56	1.17	1.06
512	FOD852	DIP-4	UL/C-UL/VDE	50	6.0	----	100/20	5.0kV	1000/4000/15000	.70	.439	.398	.387
512	H11G2M	DIP-6	UL	60	6.0	----	5.0/100	7.5kV	500/----/----	.75	.621	.536	.471
512	4N33M	DIP-6	UL/C-UL	80	3.0	----	5.0/100	7.5kV	500/----/----	.54	.47	.413	.363
Dual Channel													
512	HCPL-2730	DIP-8	UL	20	5.0	0.1	1.0/16	2.5kV	----/2500/----	2.28	1.75	1.47	1.32
512	HCPL-2731	DIP-8	UL	20	5.0	0.1	3.0/22	2.5kV	----/2500/----	1.78	1.55	1.43	1.27
512	HCPL-2731S	SMDIP-8	UL	20	5.0	0.1	3.0/22	2.5kV	----/2500/----	1.92	1.76	1.59	1.34
512	MOCD223M	SOIC-8	UL	60	6.0	----	----	2.5kV	500/1000/----	1.10	.77	.765	.68



Opto Components

Fairchild Semiconductor