

FAIRCHILD Optocoupler Products



Products may be RoHS compliant. Check mouser.com for RoHS status.

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	.825	.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—6N137M	DIP-8	UL	50	7.0	10	0.040/0.040	2.5kV	--/--	1.02	.85	.68	.62
◆	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—FODM611R2	MFP-5	UL	50	7.0	10	0.043/0.050	3.75kV	--/--	1.89	1.63	1.30	1.13
◆	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—HCPL2601	DIP-8	UL	50	7.0	10	0.045/0.045	2.5kV	--/--	1.62	1.10	1.04	.941
◆	512—HCPL2601S	SMDIP-8	UL	50	7.0	10	0.045/0.045	2.5kV	--/--	1.31	1.04	.784	.732
Dual Channel													
◆	512—HCPL2530	DIP-8	UL	25	30	1	0.45/0.50	2.5kV	7/18/50	2.28	1.58	1.47	1.32
◆	512—HCPL2531	DIP-8	UL	25	30	1	0.45/0.30	2.5kV	19/27/50	2.28	1.74	1.47	1.32
◆	512—HCPL2630	DIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	--/--	3.01	2.01	1.94	1.74
◆	512—HCPL2630S	SMDIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	--/--	3.30	2.55	2.13	1.94
◆	512—HCPL2631	DIP-8	UL	50	5.5	10	0.045/0.045	2.5kV	--/--	2.46	2.25	1.58	1.42
◆	512—HCPL2631S	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

HIGH-SPEED, HIGH-CMR, LOGIC GATE

◆ Surface Mount Device

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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

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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	1.66	1.59	1.24	1.16
◆	512—FOD3180TV	DIP-8	UL/VDE	25	25	1.0	0.20/0.20	5.0kV	2	2	1.66	1.35	1.24	1.15
◆	512—FOD3184S	SMDIP-8	UL	25	35	1.0	0.12/0.145	5.0kV	-0.9	0.5	5.26	4.52	3.60	3.13

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	.40
◆	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/----	1.16	.946	.654	.623
◆	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	3.0/0.30	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	.67	.42	.381	.371
◆	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—HCPL2730	DIP-8	UL	20	5.0	0.1	1.0/16	2.5kV	----/2500/----	2.78	1.75	1.47	1.32
◆	512—HCPL2731	DIP-8	UL	20	5.0	0.1	3.0/22	2.5kV	----/2500/----	1.78	1.55	1.43	1.27
◆	512—HCPL2731S	SMDIP-8	UL	20	5.0	0.1	3.0/22	2.5kV	----/2500/----	1.92	1.76	1.59	1.34
◆	512—MOCD223M	MOCD223M	SOIC-8	UL	60	6.0	----	2.5kV	500/1000/----	1.10	.77	.765	.68

NEW AT MOUSER Fairchild Semiconductor