

FAIRCHILD Optocoupler Products

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FAIRCHILD

Fairchild Semiconductor Opto Components

GATE DRIVE OUTPUT

◆ Surface Mount Device

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}) (kV)	PDo (mW)	Price Each			
Mfr.	Mfr. Part No.										1	10	100	1000
Single Channel														
◆	512—FOD8384R2V	SOP-5	UL	2.5	1.8	5	1.7/0.1	35/25	5	500	2.28	1.93	1.55	1.12
◆	512—FOD8332R2V	SO-16	UL	2.5	16	5	4/4	50/50	4.243	600	4.23	3.60	3.12	-
◆	512—FOD8332V	SO-16	UL	2.5	16	5	4/4	50/50	4.243	600	4.16	3.54	3.07	2.19
◆	512—FOD8333	SO-16	UL	2.5	16	5	4/4	50/50	4.243	600	4.50	3.82	3.31	2.37
◆	512—FOD8333R2	SO-16	UL	2.5	16	5	4/4	50/50	4.243	600	4.50	3.82	3.31	-
◆	512—FOD8321R2	SOP-5	UL	2.5	25	5	0.8/0.4	500/500	5	500	2.19	1.76	1.41	1.02
◆	512—FOD8383	SOP-5	UL	2.5	25	5	1.7/0.1	35/25	5	500	3.50	2.98	2.58	1.84
◆	512—FOD8383R2	SOP-5	UL	2.5	25	5	1.7/0.1	35/25	5	500	3.77	3.03	2.76	1.88
◆	512—FOD8383R2V	SOP-5	UL	2.5	25	5	1.7/0.1	35/25	5	500	3.60	3.06	2.65	1.90
◆	512—FOD8383V	SOP-5	UL	2.5	25	5	1.7/0.1	35/25	5	500	3.54	3.00	2.60	1.86
◆	512—FOD8384R2	SOP-5	UL	2.5	25	5	1.7/0.1	35/25	5	500	2.20	1.87	1.50	1.08
◆	512—FOD8384V	SOP-5	UL	2.5	25	5	1.7/0.1	35/25	5	500	2.32	1.87	1.50	1.08
◆	512—FOD8384	SOP-5	UL	3	25	5	1.7/0.1	35/25	5	500	2.13	1.81	1.45	1.05
Dual Channel														
◆	512—FOD8333R2V	SO-16	UL	2.5	25	5	4/4	50/50	4.243	600	4.75	3.82	3.48	-
◆	512—FOD8333V	SO-16	UL	2.5	25	5	4/4	50/50	4.243	600	4.50	3.82	3.31	2.37
Evaluation Boards											Price Each			
Description											1	10	100	1000
512—FEBFOD8332											FEBFOD8332 Evaluation Board with a Booster Circuit			
512—FEBFOD8333											Evaluation Board for the FOD8333 Gate Driver			
512—FEBFOD8316											Evaluation Board for FOD8316 IGBT Drive Optocoupler, 3.3V			
											28.75			
											28.75			
											28.75			

HIGH-SPEED TRANSISTOR OUTPUT

◆ 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}) (kV)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each			
Mfr.	Mfr. Part No.									1	10	100	1000
Single Channel													
◆	512—6N139VM	MDIP-8L	UL/VDE	20	18	0.1	-/-/30	5	400/2000/-	1.53	1.31	1.00	.702
◆	512—6N136TSR2VM	SMD-8	UL	25	20	1	0.23/0.45	5	19/38/50	1.33	1.14	.877	-
◆	512—6N136TSVM	SMD-8	UL	25	20	1	0.23/0.45	5	19/38/50	1.26	1.08	.829	.578
◆	512—6N135SDVM	SMD-8	UL	25	30	1	1.5/0.45	5	7/38/50	1.58	1.27	1.02	.739
◆	512—6N135SVM	SMD-8	UL	25	30	1	1.5/0.45	5	7/38/50	1.59	1.35	1.04	.727
◆	512—6N135VM	DIP-8	UL	25	30	1	1.5/0.45	5	7/38/50	1.58	1.34	1.03	.723
◆	512—6N136SDVM	SMD-8	UL	25	30	1	0.23/0.45	5	19/38/50	1.39	1.12	.86	.60
◆	512—6N136VM	DIP-8	UL/VDE	25	30	1	0.25/.026	5	19/38/50	1.50	1.27	1.02	.739
◆	512—FODM453	MFP-5	UL	25	30	1	0.40/0.35	3.75	20/-/50	1.82	1.55	1.24	.899
◆	512—FODM8061	SO-5	UL	50	5.5	10	0.043/0.05	3.75	-/-/-	1.57	1.26	.968	.675
◆	512—6N137M	DIP-8	UL	50	7	10	0.04/0.04	2.5	-/-/-	1.05	.896	.688	.48
◆	512—6N137TSR2VM	DIP-8	UL	50	7	10	0.4/0.4	5	-/-/-	1.76	1.42	1.14	-
◆	512—6N137TSVM	DIP-8	UL	50	7	10	0.4/0.4	5	-/-/-	1.58	1.35	1.08	.783
◆	512—FODM611R2	MFP-5	UL	50	7	10	0.043/0.05	3.75	-/-/-	1.53	1.23	.946	.66
◆	512—HCPL-2601	DIP-8	UL	50	7	10	0.045/0.045	2.5	-/-/-	1.59	1.36	1.04	.729
Dual Channel													
◆	512—HCPL2531SD	SMD-8	UL	25	5.5	1	0.45/0.3	10	19/27/50	1.85	1.57	1.26	.913
◆	512—HCPL-2531	DIP-8	UL	25	30	1	0.45/0.3	2.5	19/27/50	1.85	1.57	1.26	.913
◆	512—HCPL-2630	DIP-8	UL	50	5.5	10	0.045/0.045	2.5	-/-/-	2.50	2.12	1.70	1.22
◆	512—HCPL-2630S	SMDIP-8	UL	50	5.5	10	0.045/0.045	2.5	-/-/-	2.71	2.30	1.84	1.33
◆	512—HCPL-2631	DIP-8	UL	50	5.5	10	0.045/0.045	2.5	-/-/-	2.00	1.70	1.36	.986
◆	512—HCPL2631SD	SMDIP-8	UL	50	5.5	10	0.045/0.045	2.5	-/-/-	2.10	1.78	1.42	1.03

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}) (kV)	Output Rise/Fall Times (Typ.) (ns)	Price Each			
Mfr.	Mfr. Part No.									1	10	100	1000
Single Channel													
◆	512—FOD8160V	SOP-5	UL	250	5.5	10	0.04/0.05	5	20/10	2.81	2.39	1.91	1.38
◆	512—6N137TVM	DIP-8	UL	250	7	10	0.075/0.075	10	30/-	1.47	1.26	.969	.676
◆	512—6N137VM	DIP-8	UL	250	7	10	0.075/0.075	10	30/-	1.17	1.00	.77	.537
◆	512—FOD260LSV	SMD-8	UL	250	7	10	0.043/0.065	3	22/3	1.66	1.41	1.13	.821
◆	512—FOD8160R2V	SOP-5	UL	200000	7	10	0.04/0.05	5	22/9	2.88	2.45	1.96	1.41
Dual Channel													
◆	512—FODM453	MFP-5	UL	25	30	1	0.40/0.35	3.75	20/-/50	1.82	1.55	1.24	.899

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}) (kV)	I _{OH} (Min.) (A)	I _{OL} (Min.) (A)	Price Each			
Mfr.	Mfr. Part No.										1	10	100	1000
Single Channel														
◆	512—FOD8321	SOP-5	UL	16	30	1	0.29/0.26	20	1	1	2.02	1.71	1.37	.997
◆	512—FOD8332	SO-16	UL	25	20	-	0.25/0.1	35	-1	1	4.50	3.82	3.31	2.37
◆	512—FOD3180	DIP-8	UL	25	25	1	0.2/0.2	5	2	2	2.35	2.00	1.60	1.16
◆	512—FOD3182	DIP-8	UL	25	30	1	0.12/0.15	50	3	3	2.64	2.25	1.80	1.29
◆	512—FOD3182S	SOIC-8	UL	25	30	1	0.12/0.15	50	3	3	2.64	2.25	1.80	1.29

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}) (kV)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each			
Mfr.	Mfr. Part No.									1	10	100	1000
Single Channel													
◆	512—4N32SM	PDIP-6	UL/C-UL	10	3	-	2.5/18	7.5	-/-/-	.62	.516	.314	.243
◆	512—6N139M	DIP-8	UL	20	5	0.1	0.24/13.6	5	400/2000/-	1.11	.952	.731	.51
◆	512—6N139SVM	DIP-8	UL	20	5	0.1	2.5/13.6	5	400/2000/-	1.53	1.30	1.04	.754
◆	512—6N139TVM	DIP-8	UL	20	5	0.1	2.5/13.6	5	400/2000/-	1.53	1.30	1.04	.754
◆	512—HCPL0701	SOIC-8	UL/BSI/VDE	20	5	0.1	3/0.3	2.5	500/-/2600	1.58	1.35	1.08	.783
◆	512—6N139SDVM	SMD-8	UL	20	5	-	2.5/13.6	5	400/2000/-	1.70	1.37	1.10	.797
◆	512—FOD852	DIP-4	UL/C-UL/VDE	50	6	-	100/20	5	1000/4000/15000	.66	.553	.357	.286
◆	512—FOD8523SD	PDIP-4	UL/C-UL/VDE	50	6	-	-	5	1000/4000/15000	.81	.677	.437	.349
◆	512—H11G2M	DIP-6	UL	60	6	-	5/100	7.5	500/-/-	.70	.586	.378	.302
◆	512—4N33M	DIP-6	UL/C-UL	80	3	-	5/100	7.5	500/-/-	.59	.49	.299	.231
Dual Channel													
◆	512—HCPL-2730	DIP-8	UL	20	5	0.1	1/16	2.5	-/2500/-	2.11	1.80	1.44	1.04
◆	512—HCPL-2731	DIP-8	UL	20	5	0.1	3/22	2.5	-/2500/-	1.80	1.53	1.23	.892
◆	512—HCPL-2731S	SMDIP-8	UL	20	5	0.1	3/22	2.5	-/2500/-	1.80	1.53	1.23	.892
◆	512—MOC223M	SOIC-8	UL	60	6	-	-	2.5	500/1000/-	1.03	.882	.677	.472