

FAIRCHILD LED Optocoupler Products

FAIRCHILD™

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PHOTOTRANSISTOR 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)	V _{CEO} (Max.) (V)	Turn-On/Turn-Off (Typ.) (μs)	Rise/Fall (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—FODM121V	Mini Flat-4	UL/C-UL/VDE	10	5	80	-/-	3/3	3.75	50/-/600	.60	.505	.326	.261
◆	512—FODM8801AR2V	Mini Flat-4	UL/C-UL/VDE	20	6	75	20/20	5/5.5	3.75	80/120/160	1.22	.98	.753	.525
◆	512—FODM8801AV	Mini Flat-4	UL/C-UL	20	6	75	20/20	5/5.5	3.7	80/120/160	1.08	.924	.71	.495
◆	512—FODM8801CR2V	Mini Flat-4	UL/C-UL	20	6	75	20/20	5/5.5	3.75	80/120/160	.96	.77	.591	.412
◆	512—FODM8801CV	Mini Flat-4	UL/C-UL	20	6	75	20/20	5/5.5	3.75	80/120/160	.92	.771	.497	.398
◆	512—FOD8160	SOP-5	UL/C-UL/VDE	25	5	-	-/-	0.022/0.009	5	10/-/90	2.70	2.30	1.84	1.32
◆	512—FOD814	DIP-4	UL/C-UL/VDE	±50	-	70	-/-	18/18	5	20/-/300	.45	.379	.231	.179
◆	512—FOD814A	DIP-4	UL/C-UL/VDE	±50	-	70	-/-	18/18	5	50/-/150	.42	.349	.213	.164
◆	512—FOD817C300	PDIP-4	UL/C-UL/VDE	±50	6	70	-/-	18/18	5	200/-/400	.45	.321	.147	.113
◆	512—FOD8173SD	PDIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	50/-/600	.41	.341	.208	.161
◆	512—FOD817C300W	PDIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	50/-/300	.39	.302	.164	.123
◆	512—FOD817	DIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	50/-/600	.40	.312	.169	.127
◆	512—FOD817A	DIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	80/-/160	.38	.294	.159	.119
◆	512—FOD817A3SD	SMDIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	80/-/160	.45	.349	.189	.142
◆	512—FOD817AS	DIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	80/-/160	.43	.332	.18	.135
◆	512—FOD817B	DIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	130/-/260	.37	.287	.156	.117
◆	512—FOD817C	DIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	200/-/400	.36	.279	.151	.113
◆	512—FOD817C3SD	SMDIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	200/-/400	.50	.384	.208	.156
◆	512—FOD817CS	SMDIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	200/-/400	.40	.312	.169	.127
◆	512—FOD817D	DIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	300/-/600	.39	.302	.164	.123
◆	512—FOD817SD	DIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	50/-/600	.43	.33	.179	.134
◆	512—FOD817DSD	DIP-4	UL/C-UL/VDE	50	6	70	-/-	18/18	5	300/-/600	.50	.381	.207	.155
◆	512—HMHA281R2	SMD-4	CSA/UL/VDE	50	6	80	-/-	3/3	2.5	50/-/600	.55	.459	.28	.216
◆	512—HMHA280R2	SMD-4	CSA/UL/VDE	50	6	80	-/-	3/3	2.5	50/-/600	.64	.536	.327	.252
◆	512—FODM121AR2	SMD-4	UL/C-UL/VDE	50	6	80	-/-	3/3	3.75	50/-/300	.50	.417	.254	.196
◆	512—FODM124R2	MFP-4	UL/C-UL/VDE	50	6	80	-/-	3/3	3.75	100/-/1200	.65	.546	.352	.282
◆	512—HMHA280	MFP-4	UL/VDE	50	6	80	-/-	3/3	3.75	50/-/600	.59	.496	.302	.233
◆	512—HMHA2801	HP MFP-4	UL/CSA/VDE	50	6	80	-/-	3/3	3.75	80/-/600	.47	.394	.24	.186
◆	512—HMHA281	HP MFP-4	UL/CSA/VDE	50	6	80	-/-	3/3	3.75	50/-/600	.50	.418	.255	.197
◆	512—H11AA1M	DIP-6	UL	60	-	100	-/-	-/-	7.5	20/-/-	.67	.521	.336	.269
◆	512—H11AA4M	DIP-6	UL	60	-	100	-/-	-/-	7.5	100/-/-	.63	.526	.339	.271
◆	512—MOC211R2M	SOIC-8	UL/VDE	60	6	30	7.5/5.7	3.2/4.7	2.5	20/-/-	.60	.469	.302	.242
◆	512—4N25M	DIP-6	UL	60	6	30	2/2	-/-	7.5	20/-/-	.46	.385	.235	.181
◆	512—4N25SM	SMDIP-6	UL	60	6	30	2/2	-/-	7.5	20/-/-	.49	.409	.249	.193
◆	512—4N26M	DIP-6	UL	60	6	30	2/2	-/-	7.5	20/-/-	.47	.39	.237	.183
◆	512—4N35M	DIP-6	UL	60	6	30	2/2	-/-	7.5	100/-/-	.72	.601	.388	.31
◆	512—4N35SR2M	SMDIP-6	UL	60	6	30	2/2	-/-	7.5	100/-/-	.55	.458	.279	.216
◆	512—4N37M	DIP-6	UL	60	6	30	2/2	-/-	7.5	100/-/-	.49	.409	.249	.193
◆	512—4N35SVM	PDIP-6	UL/VDE	60	6	30	2/2	-/-	4.2	100/-/-	.50	.422	.257	.199
◆	512—MOC211M	SOIC-8	UL/VDE	60	6	30	7.5/5.7	3.2/4.7	2.5	100/-/-	.60	.50	.305	.236
◆	512—MOC205R2M	SOIC-8	UL/VDE	60	6	70	7.5/5.7	3.2/4.7	2.5	40/-/80	.71	.531	.334	.25
◆	512—CNY173SR2M	PDIP-6	UL/VDE	60	6	70	10/10	6/24	5.3	100/-/200	.55	.457	.279	.215
◆	512—CNY173M	DIP-6	UL	60	6	70	8/99	6/24	7.5	100/-/200	.47	.397	.242	.187
◆	512—MOC207M	SOIC-8	UL	60	6	70	7.5/5.7	3.2/4.7	2.5	100/-/200	.64	.531	.323	.25
◆	512—H11AA4SR2M	PDIP-6	UL/VDE	60	6	100	-/-	-/-	7.5	100/-/-	.74	.618	.399	.319
◆	512—4N38SM	SMD-6	UL	80	6	80	5/5	-/-	7.5	20/-/-	.64	.536	.346	.277
◆	512—4N38VM	DIP-6	UL	80	6	80	5/5	-/-	7.5	20/-/-	.64	.536	.346	.277
Dual Channel														
◆	512—MCT623S	DIP-16	UL/VDE	20	25	85	2.4/2.4	-/-	5	20/50/100	.81	.676	.436	.349
◆	512—MCT623SD	DIP-16	UL/VDE	20	25	85	2.4/2.4	-/-	5	20/50/100	.85	.707	.456	.365
◆	512—MCT6	DIP-8	UL/VDE	60	3	85	2.4/2.4	-/-	5	20/-/-	.67	.557	.359	.287
◆	512—MCT6S	SMDIP-6	UL/VDE	60	3	85	2.4/2.4	-/-	5	20/-/-	.73	.612	.395	.316
◆	512—MCT61	DIP-8	UL/VDE	60	3	85	2.4/2.4	-/-	5	50/-/-	.79	.612	.395	.316
◆	512—MCT62	DIP-8	UL/VDE	60	3	85	2.4/2.4	-/-	5	100/-/-	.78	.651	.42	.336
◆	512—MCT62S	SMDIP-6	UL/VDE	60	3	85	2.4/2.4	-/-	5	100/-/-	.78	.651	.42	.336
◆	512—MCT9001	DIP-8	UL/VDE	60	5	55	3/3	2.4/25	5	50/-/600	.78	.651	.42	.336
◆	512—MOC207M	SOIC-8	UL	60	6	70	3/2.8	1.6/2.2	2.5	100/-/200	.83	.714	.548	.382
◆	512—MOC213M	SOIC-8	UL	60	6	70	3/2.8	1.6/2.2	2.5	100/-/-	.90	.776	.596	.416
◆	512—MOC217M	SOIC-8	UL	60	6	30	7.5/5.7	3.2/4.7	2.5	100/130/-	.93	.773	.499	.399

SCHMITT TRIGGER 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.) (MHz)	Turn-On/Turn-Off (Typ.) (μs)	Rise/Fall (Typ.) (μs)	Isolation Voltage (V _{ISO}) (kV)	Turn-on Threshold Current (Max.) (mA)	Price Each			
Mfr.	Mfr. Part No.										1	10	100	1000
◆	512—H11N1M	DIP-6	UL	30	6	5	-/-	7.5/12	7.5	3.2	4.71	4.01	3.47	2.48
◆	512—H11L3SR2M	SMD-6	UL, VDE	60	6	1	1/1.2	0.1/0.1	7.5	5	1.01	.866	.665	.464
◆	512—H11L1M	DIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5	1.6	.82	.684	.441	.353
◆	512—H11L1SM	SMDIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5	1.6	.77	.644	.415	.332
◆	512—H11L1SR2M	SMDIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5	1.6	.83	.69	.445	.356
◆	512—H11L1SR2VM	SMDIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5	1.6	1.07	.865	.665	.464
◆	512—H11L2M	DIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5	10	.94	.809	.622	.434
◆	512—H11L2VM	DIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5	10	.83	.714	.548	.382
◆	512—H11L3M	DIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5	5	.83	.714	.548	.382
◆	512—H11L3SM	SMDIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5	5	.89	.714	.548	.382

RANDOM PHASE TRIAC DRIVER OUTPUT

◆ Surface Mount Device
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Safety Standard	V _{DRM} (Max.) (V)	I _{FT} (Max.) (mA)	V _{TM} (Typ./Max.) (V)	Turn-On/Turn-Off (Typ.) (μs)	Isolation Volt. (V _{ISO}) (kV)	dv/dt (Min.) (V/μs)	I _H (Typ./Max.) (μA)	Price Each			
Mfr.	Mfr. Part No.										1	10	100	1000
◆	512—MOC3012M	DIP-6	UL	250	5	3	-/-	5.3	5	100/-	.56	.472	.305	.244
◆	512—MOC3011M	DIP-6	UL	250	10	3	-/-	5.3	15	100/-	.59	.495	.319	.255
◆	512—MOC3011SM	SMDIP-6	UL	250	10	3	-/-	5.3	10	100/-	.64	.536	.346	.277
◆	512—MOC3010M	DIP-6	UL	250	15	3	-/-	5.3	15	100/-	.59	.495	.319	.255
◆	512—MOC3010VM	PDIP-6	UL/VDE	250	15	1.8/3	-/-	7.5	10000	100/-	.72	.563	.363	.291
◆	512—MOC3010SM	SMDIP-6	UL	250	15	3	-/-	5.3	15	100/-	.67	.563	.363	.291
◆	512—MOC3023M	DIP-6</												