

FAIRCHILD LED Optocoupler Products

RoHS Compliant This product is RoHS compliant.

FAIRCHILD
SEMICONDUCTOR

Opto Components

Fairchild Semiconductor

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 (Max)(μS)	Rise/Fall (Max)(μS)	Isolation Voltage (V _{ISO})	Current Transfer Ratio (Min/Typ/Max)(%)	Price Each					
Mfr.	Mfr. Part No.										1	25	100	250		
Single Channel																
512	FOD814	DIP-4	UL/C-UL/VDE	±50	---	70	---/---	18.0/18.0	5.0kV	20/---/300	.46	.36	.336	.30		
512	FOD814A	DIP-4	UL/C-UL/VDE	±50	---	70	---/---	18.0/18.0	5.0kV	50/---/150	.42	.37	.304	.272		
512	FOD817	DIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	50/---/600	.28	.247	.209	.152		
512	FOD817A	DIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	80/---/160	.28	.247	.236	.199		
◆	512-FOD817A3SD	SMDIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	80/---/160	.50	.445	.325	.279		
512	FOD817AS	DIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	80/---/160	.28	.247	.209	.152		
512	FOD817B	DIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	130/---/260	.28	.247	.209	.152		
512	FOD817C	DIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	200/---/400	.28	.247	.209	.152		
◆	512-FOD817C3SD	SMDIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	200/---/400	.34	.304	.247	.18		
◆	512-FOD817CS	SMDIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	200/---/400	.29	.25	.219	.159		
512	FOD817D	DIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	300/---/600	.28	.247	.209	.152		
512	FOD817SD	DIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	50/---/600	.34	.304	.247	.18		
512	FOD817DSD	DIP-4	UL/C-UL/VDE	50	6.0	70	---/---	18.0/18.0	5.0kV	300/---/600	.50	.404	.325	.279		
◆	512-FODM124R2	MFP-4	UL/C-UL/VDE	50	6.0	80	---/---	3.0/3.0	3.75kV	100/---/1200	.59	.53	.425	.377		
◆	512-HMHA280	HMHAA280	MFP-4	UL/VDE	50	6.0	80	3.0/3.0	3.75kV	50/---/600	.36	.333	.295	.276		
◆	512-HMHA2801	HP MFP-4	UL/CSA/VDE	50	6.0	80	---/---	3.0/3.0	3.75kV	80/---/600	.46	.342	.33	.294		
◆	512-HMHA281	HP MFP-4	UL/CSA/VDE	50	6.0	80	---/---	3.0/3.0	3.75kV	50/---/600	.31	.285	.257	.235		
512	H11AA1M	DIP-6	UL	60	---	100	---/---	---	7.5kV	20/---/---	.64	.574	.462	.406		
512	H11AA4M	DIP-6	UL	60	---	100	---/---	---	7.5kV	100/---/---	.67	.630	.482	.424		
512	4N25M	DIP-6	UL	60	6.0	30	2.0/2.0	---	7.5kV	20/---/---	.48	.375	.367	.318		
◆	512-4N25SM	SMDIP-6	UL	60	6.0	30	2.0/2.0	---	7.5kV	20/---/---	.48	.375	.367	.318		
512	4N26M	DIP-6	UL	60	6.0	30	2.0/2.0	---	7.5kV	20/---/---	.48	.388	.367	.318		
512	4N35M	DIP-6	UL	60	6.0	30	2.0/2.0	---	7.5kV	100/---/---	.48	.43	.367	.318		
◆	512-4N35SR2M	SMDIP-6	UL	60	6.0	30	2.0/2.0	---	7.5kV	100/---/---	.60	.568	.454	.392		
512	4N37M	DIP-6	UL	60	6.0	30	2.0/2.0	---	7.5kV	100/---/---	.48	.38	.367	.318		
512	CNY173M	DIP-6	UL	60	6.0	70	8.0/3.9	6.0/24.0	7.5kV	100/---/200	.48	.36	.309	.259		
512	MOC207M	SOIC-8	UL	60	6.0	70	7.5/5.7	3.2/4.7	2.5kV	100/---/200	.56	.485	.402	.354		
Dual Channel																
512	MCT6	DIP-8	UL/VDE	60	3.0	85	2.4/2.4	---	5.0kV	20/---/---	.74	.55	.533	.469		
◆	512-MCT6S	SMDIP-6	UL/VDE	60	3.0	85	2.4/2.4	---	5.0kV	20/---/---	.71	.628	.523	.438		
512	MCT61	DIP-8	UL/VDE	60	3.0	85	2.4/2.4	---	5.0kV	50/---/---	.74	.55	.533	.469		
512	MCT62	DIP-8	UL/VDE	60	3.0	85	2.4/2.4	---	5.0kV	100/---/---	.79	.59	.567	.499		
◆	512-MCT62S	SMDIP-6	UL/VDE	60	3.0	85	2.4/2.4	---	5.0kV	100/---/---	.79	.733	.567	.499		
512	MCT9001	DIP-8	UL/VDE	60	5.0	55	3.0/3.0	2.4/25.0	5.0kV	50/---/600	.79	.59	.567	.499		
◆	512-MOCD207M	SOIC-8	UL	60	6.0	70	3.0/2.8	1.6/2.2	2.5kV	100/---/200	.97	.95	.673	.598		
◆	512-MOCD213M	SOIC-8	UL	60	6.0	70	3.0/2.8	1.6/2.2	2.5kV	100/---/---	.90	.89	.673	.598		
◆	512-MOCD217M	SOIC-8	UL	60	6.0	30	7.5/5.7	3.2/4.7	2.5kV	100/130/---	.97	.74	.673	.598		

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})	Turn-on Threshold Current (Max)(mA)	Price Each			
Mfr.	Mfr. Part No.										1	25	100	250
512	H11N1M	DIP-6	UL	30	6	5	---	7.5/12	7.5kV	3.2	4.45	3.88	3.65	3.29
512	H11L1M	DIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5kV	1.6	1.11	.97	.888	.773
◆	512-H11L1SM	SMDIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5kV	1.6	1.22	.92	.880	.773
◆	512-H11L1SR2M	SMDIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5kV	1.6	1.14	.95	.907	.665
◆	512-H11L1SR2VM	SMDIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5kV	1.6	1.28	1.21	.907	.726
512	H11L2M	DIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5kV	10	1.24	.86	.832	.724
512	H11L2VM	DIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5kV	10	.89	.832	.724	.647
512	H11L3M	DIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5kV	5	1.19	.88	.847	.737
◆	512-H11L3SM	SMDIP-6	UL	60	6	1	1.2/1.2	0.1/0.1	7.5kV	5	1.07	.93	.668	.562

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)(mA)	I _{FT} (Max) (mA)	V _{TM} (Typ/Max)(V)	Turn-On/Turn-Off (Typ)(μS)	Rise/Fall (Typ)(μS)	Isolation Voltage (V _{ISO})	dv/dt (Min) (V/μS)	I _H (Typ/Max)(μA)	Price Each			
Mfr.	Mfr. Part No.											1	25	100	250
512	MOC3012M	DIP-6	UL	250	5	3	---	---	5.3kV	5	100/---	.65	.52	.467	.411
512	MOC3011M	DIP-6	UL	250	10	3	---	---	5.3kV	15	100/---	.63	.58	.453	.399
◆	512-MOC3011SM	SMDIP-6	UL	250	10	3	---	---	5.3kV	10	100/---	.63	.552	.457	.38
512	MOC3010M	DIP-6	UL	250	15	3	---	---	5.3kV	15	100/---	.63	.47	.453	.399
◆	512-MOC3010SM	SMDIP-6	UL	250	15	3	---	---	5.3kV	15	100/---	.67	.571	.476	.40
512	MOC3023M	DIP-6	UL	400	5	3	---	---	5.3kV	5	100/---	.78	.68	.576	.481
◆	512-MOC3023SM	SMDIP-6	UL	400	5	3	---	---	5.3kV	5	100/---	.60	.514	.467	.406
512	MOC3021M	DIP-6	UL	400	10	3	---	---	5.3kV	15	100/---	.67	.514	.482	.424
◆	512-MOC3021SM	SMDIP-6	UL	400	10	3	---	---	5.3kV	15	100/---	.67	.58	.485	.409
512	MOC3022M	DIP-6	UL	400	10	3	---	---	5.3kV	10	100/---	.67	.50	.482	.424
◆	512-MOC3022SM	SMDIP-6	UL	400	10	3	---	---	5.3kV	10	100/---	.67	.58	.485	.409
◆	512-MOC3022SR2M	SMDIP-6	UL	400	10	3	---	---	5.3kV	10	100/---	.72	.628	.523	.438
512	MOC3020M	DIP-6	UL	400	30	3	---	---	5.3kV	30	100/---	.63	.47	.453	.399
◆	512-MOC3020SM	SMDIP-6	UL	400	30	3	---	---	5.3kV	30	100/---	.69	.60	.495	.419
512	FOD4216	DIP-6	UL/VDE/FIMKO	600	1.3	2.2/3.0	60/52	---	5.0kV	10000	---/500	3.34	2.85	2.72	2.48
512	FOD420	DIP-6	UL/VDE/FIMKO	600	2	2.2/3.0	60/52	---	5.0kV	10000	---/500	2.68	2.46	2.24	1.96
512	MOC3052M	DIP-6	UL	600	10	2	---	---	7.5kV	10	220/---	.89	.70	.61	.54
◆	512-MOC3052SM	SMDIP-6	UL	600	10	2	---	---	7.5kV	10	220/---	.88	.780	.612	.544
512	FOD4218	DIP-6	UL/VDE/FIMKO	800	1.3	2.2/3.0	60/52	---	5.0kV	10000	---/500	4.42	3.88	3.60	3.28
512	FOD4208	DIP-6	UL/VDE/FIMKO	800	2	2.2/3.0	60/52	---	5.0kV	10000	---/500	3.34	2.91	2.72	2.48

ZERO-CROSSING TRIAC OUTPUT

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Safety Standard	V _{DRM} (Max)(mA)	I _{FT} (Max) (mA)	V _{TM} (Typ/Max)(V)	I _{DRM} (Typ/Max)(nA)	Isolation Voltage (V _{ISO})	dv/dt (Min) (V/μS)	I _H (Typ/Max) (μA)	Price Each			
Mfr.	Mfr. Part No.										1	25	100	250
◆	512-MOC3033SM	SMDIP-6	---	250	5	1.8/3.0	---	7.5kV	1000	400/---	1.07	.91	.77	.648