

# LITE-ON LED Optocouplers



The Lite-On Optocoupler products feature high collector emitter and I/O isolation voltages. They are suitable for a wide-range of applications and are ideal as signal transmitters between circuits of different potentials and impedances. All Lite-On optocouplers have safety approval certificates from VDE, CSA, UL, TUV, BSI, FIMKO, NEMKO, DEMIKO and SEMIKO.

## PHOTO TRANSISTOR

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Package	IF (mA)	BVCEO (V)	BVECO (V)	Rise/Fall Times (typ.)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
									1	10	100	
<b>Photo Transistor Output</b>												
859-CNY17F-3S	CNY17F-3S	SMT-6	60	70	7.0	5/5	5000	100 / - /200	.29	.24	.22	
859-CNY17F-4	CNY17F-4	DIP-6	60	70	7.0	5/5	5000	160 / - /320	.28	.23	.21	
859-CNY17F-4S	CNY17F-4S	SMT-6	60	70	7.0	5/5	5000	160 / - /320	.29	.24	.22	
859-H11D1	H11D1	DIP-6	60	300	7.0	5/5	5000	20 / - /-	.66	.55	.49	
859-H11D1S	H11D1S	SMT-6	60	300	7.0	5/5	5000	20 / - /-	.66	.55	.50	
859-LTV-356T	LTV-356T	MINI-FLAT 4	50	80	6.0	4/3	3750	50 / - /600	.26	.22	.19	
859-LTV-357T	LTV-357T	MINI-FLAT 4	50	35	6.0	4/3	3750	50 / - /600	.26	.22	.19	
859-LTV-358T	LTV-358T	MINI-FLAT 4	50	120	6.0	4/3	3750	20 / - /-	.37	.31	.28	
859-LTV-610M	LTV-610M	DIP-4 Wide Lead	60	70	7.0	2/2	5300	40 / - /320	.31	.26	.23	
859-LTV-610S	LTV-610S	SMT-4	60	70	7.0	2/2	5300	40 / - /320	.31	.26	.23	
859-LTV-702FS	LTV-702FS	SMT-6	60	70	6.0	2/2	5000	40 / - /320	.29	.24	.22	
859-LTV-702V	LTV-702V	DIP-6	70	70	6.0	2/2	5000	40 / - /320	.28	.23	.21	
859-LTV-702VS	LTV-702VS	SMT-6	70	70	6.0	2/2	5000	40 / - /320	.29	.24	.22	
859-LTV-816	LTV-816	DIP-4	50	80	6.0	4/3	5000	50 / - /600	.21	.18	.16	
859-LTV-816S	LTV-816S	SMT-4	50	80	6.0	4/3	5000	50 / - /600	.23	.19	.17	
859-LTV-817	LTV-817	DIP-4	50	35	6.0	4/3	5000	50 / - /600	.21	.18	.16	
859-LTV-817S	LTV-817S	SMT-4	50	35	6.0	4/3	5000	50 / - /600	.23	.19	.17	
859-LTV-826	LTV-826	DIP-8	50	80	6.0	4/3	5000	50 / - /600	.43	.36	.32	
859-LTV-826S	LTV-826S	8 PIN	50	80	6.0	4/3	5000	50 / - /600	.44	.37	.33	
859-LTV-827	LTV-827	DIP-8	50	35	6.0	4/3	5000	50 / - /600	.43	.36	.32	
859-LTV-827S	LTV-827S	SMT-8	50	35	6.0	4/3	5000	50 / - /600	.44	.37	.33	
859-LTV-846	LTV-846	DIP-16	50	80	6.0	4/3	5000	50 / - /600	.86	.72	.64	
859-LTV-846S	LTV-846S	SMT-16	50	80	6.0	4/3	5000	50 / - /600	.87	.73	.65	
859-LTV-847	LTV-847	DIP-16	50	35	6.0	4/3	5000	50 / - /600	.86	.72	.64	
859-LTV-847S	LTV-847S	SMT-16	50	35	6.0	4/3	5000	50 / - /600	.87	.73	.65	
859-LTV-851	LTV-851	DIP-4	50	300	6.0	4/5	5000	40 / - /-	.59	.49	.44	
859-LTV-851S	LTV-851S	SMT-4	50	300	6.0	4/5	5000	40 / - /-	.60	.50	.45	
859-LTV-829	LTV-829	8 PIN	50	35	6.0	4/3	5000	50 / - /400	.43	.36	.32	
<b>Photo Transistor Output / AC Input</b>												
859-LTV-354T	LTV-354T	MINI-FLAT 4	+ 50	35	6.0	4/3	3750	20 / - /400	.34	.29	.26	
859-LTV-733	LTV-733	DIP-6	+ 50	35	6.0	4/3	5000	20 / - /300	.48	.40	.36	
859-LTV-733S	LTV-733S	SMT-6	+ 50	35	6.0	4/3	5000	20 / - /300	.49	.41	.37	
859-LTV-814	LTV-814	SMT-4	+ 50	35	6.0	4/3	5000	20 / - /300	.30	.25	.23	
859-LTV-8141S	LTV-8141S	SMT-4	+ 50	35	6.0	60/53	5000	600 / - /7500	.55	.46	.41	
859-LTV-814H	LTV-814H	DIP-4	+ 150	35	6.0	4/3	5000	20 / - /80	.34	.29	.26	
859-LTV-814HS	LTV-814HS	SMT-4	+ 150	35	6.0	4/3	5000	20 / - /80	.36	.30	.27	
859-LTV-814S	LTV-814S	SMT-4	+ 50	35	6.0	4/3	5000	20 / - /300	.31	.26	.23	
859-LTV-824	LTV-824	DIP-8	+ 50	35	6.0	4/3	5000	20 / - /300	.60	.50	.45	
859-LTV-824H	LTV-824H	DIP-8	+ 150	35	6.0	4/3	5000	20 / - /80	.69	.57	.52	
859-LTV-824HS	LTV-824HS	SMT-8	+ 150	35	6.0	4/3	5000	20 / - /80	.70	.58	.52	
859-LTV-824S	LTV-824S	SMT-8	+ 50	35	6.0	4/3	5000	20 / - /300	.61	.51	.46	
859-LTV-844	LTV-844	DIP-16	+ 50	35	6.0	4/3	5000	20 / - /300	1.20	1.00	.90	
859-LTV-844H	LTV-844H	DIP-16	+ 150	35	6.0	4/3	5000	20 / - /80	1.37	1.14	1.03	
859-LTV-844HS	LTV-844HS	SMT-16	+ 150	35	6.0	4/3	5000	20 / - /80	1.38	1.15	1.04	
859-LTV-844S	LTV-844S	SMT-16	+ 50	35	6.0	4/3	5000	20 / - /300	1.21	1.01	.91	

## SINGLE TRANSISTOR OUTPUT

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Package	Lead Spacing (mm)	IF (mA)	VCEO (V)	VECO (V)	Rise/Fall Times (typ.)	Forward Voltage	Price Each		
									1	10	100
859-LTH-1550-01	LTH-1550-01	Reflective	4.1	60	30.0	5		1.2	1.60	.69	.57
859-LTH-301-05	LTH-301-05	Slotted	10.45	60	30.0	5	3/4	1.2	1.60	.87	.73
859-LTH-301-07	LTH-301-07	Slotted	9.0	60	30.0	5	3/4	1.2	1.60	.87	.73

## PHOTO DARLINGTON

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Package	IF (mA)	BVCEO (V)	BVECO (V)	Rise/Fall Times (typ.)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
									1	10	100	
<b>Photo Darlington Output</b>												
859-LTV-352T	LTV-352T	MINI-FLAT 4	50	300	0.1	20/100	3750	1000 / - /-	.59	.49	.44	
859-LTV-355T	LTV-355T	MINI-FLAT 4	50	35	6.0	60/53	3750	600 / - /7500	.35	.29	.26	
859-LTV-715FS	LTV-715FS	SMT-6	50	35	6.0	60/53	5000	600 / 1600 / 7500	.44	.37	.33	
859-LTV-725VS	LTV-725VS	SMT-6	50	300	0.1	100/20	5000	1000 / - /15000	.72	.60	.54	
859-LTV-815	LTV-815	DIP-4	50	35	6.0	60/53	5000	600 / - /7500	.27	.23	.20	
859-LTV-815S	LTV-815S	SMT-4	50	35	6.0	60/53	5000	600 / - /7500	.28	.24	.21	
859-LTV-825	LTV-825	DIP-8	50	35	6.0	60/53	5000	600 / - /7500	.54	.45	.41	
859-LTV-825S	LTV-825S	SMT-8	50	35	6.0	60/53	5000	600 / - /7500	.55	.46	.41	
859-LTV-845S	LTV-845S	SMT-16	50	35	6.0	60/53	5000	600 / - /7500	1.09	.91	.82	
859-LTV-852	LTV-852	DIP-4	50	300	0.1	100/20	5000	1000 / 4000 / 15000	.59	.49	.44	
859-LTV-852S	LTV-852S	SMT-4	50	300	0.1	100/20	5000	1000 / 4000 / 15000	.60	.50	.45	
<b>Photo Darlington Output / AC Input</b>												
859-LTV-8241S	LTV-8241S	SMT-8	±50	35	6.0	60/53	5000	600 / - /7500	1.09	0.91	0.82	
859-LTV-8441S	LTV-8441S	SMT-16	±50	35	6.0	60/53	5000	600 / - /7500	2.17	1.81	1.63	

## PHOTOTRIAC OUTPUT

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Package	dv/dt V/μs	VDRM (V) (Min.)	IF (mA)	Peak On-State Voltage (Max.)	Isolation Voltage (VRMS)	Trigger Current (mA) (typ./Max.)	Price Each		
									1	10	100
859-MOC3020	MOC3020	DIP-6	800	400	50.0	3	5000	15/30	.54	.45	.40
859-MOC3020S	MOC3020S	SMT-6	800	400	50.0	3	5000	15/30	.55	.46	.41
859-MOC3021	MOC3021	DIP-6	800	400	50.0	3	5000	8/15	.54	.45	.40
859-MOC3021S	MOC3021S	SMT-6	800	400	50.0	3	5000	8/15	.55	.46	.41
859-MOC3022	MOC3022	DIP-6	800	400	50.0	3	5000	-10	.54	.45	.40
859-MOC3022S	MOC3022S	SMT-6	800	400	50.0	3	5000	-10	.55	.46	.41
859-MOC3023	MOC3023	DIP-6	800	400	50.0	3	5000	-5	.54	.45	.40
859-MOC3023S	MOC3023S	SMT-6	800	400	50.0	3	5000	-5	.55	.46	.41
859-MOC3052	MOC3052	DIP-6	1000	600	50.0	3	5000	-10	.62	.52	.47
859-MOC3052S	MOC3052S	SMT-6	1000	600	50.0	3	5000	-10	.63	.53	.48
859-MOC3063	MOC3063	DIP-6	1500	600	50.0	3	5000	-5	.71	.59	.53
859-MOC3063S	MOC3063S	SMT-6	1500	600	50.0	3	5000	-5	.72	.60	.54



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