

# VISHAY Optocouplers

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



## PHOTO TRANSISTOR OUTPUT, HIGH SPEED (CONT.)

### Safety Standards:

- UL = UL Recognized (UL File No: E76222)
- UL/VDE = UL Recognized (E76222) & VDE Recognized
- UL/BSI/VDE = UL Recognized (E76222), BSI & VDE Recognized

### Surface Mount Devices

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	Max. Supply Volt. (V)	Data Rate Typ. (bit/s)	Delay Time tPHL/APLH (Typ.)(μs)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
<b>Single Channel</b>														
782—SFH636		A	DIP-6	UL	25	30	1.0M	0.3/0.3	5.3kV	19/30/----	2.07	1.30	1.24	1.13
782—SFH6700		B	DIP-8	UL	10	15	5.0M	0.115/0.125	5.3kV	----/----/----	1.54	1.14	.94	.744
782—SFH6701		B	DIP-8	UL	10	15	5.0M	0.115/0.125	5.3kV	----/----/----	1.37	.85	.817	.744
782—SFH6712		C	DIP-8	UL	10	15	5.0M	0.115/0.125	5.3kV	----/----/----	1.51	1.27	1.04	.823
782—SFH6720T		D	SOIC-8	UL	19	15	5.0M	0.125/0.125	3.0kV	----/----/----	2.12	1.82	1.52	1.16
782—VO2601		E	DIP-8	UL/CSA	20	7.0	10.0M	0.05/0.048	5.3kV	----/----/----	1.40	.98	.843	.758
782—VO0601T		E	SOIC-8	UL/CSA	20	7.0	10.0M	0.05/0.048	4.0kV	----/----/----	2.61	2.24	1.87	1.42
782—VO0611T		E	SOIC-8	UL/CSA	20	7.0	10.0M	0.05/0.048	4.0kV	----/----/----	2.77	2.38	1.99	1.51
<b>Dual Channel</b>														
782—VO0630T		F	SOIC-8	UL/CSA	20	7.0	10.0M	0.05/0.048	4.0kV	----/----/----	2.68	2.14	1.77	1.55
782—VO0631T		F	SOIC-8	UL/CSA	20	7.0	10.0M	0.05/0.048	4.0kV	----/----/----	2.81	2.25	1.85	1.63
782—VO0611T		F	SOIC-8	UL/CSA	20	7.0	10.0M	0.05/0.048	4.0kV	----/----/----	2.94	2.35	1.94	1.70

## PHOTO TRANSISTOR OUTPUT, HIGH VOLTAGE

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	VCBO (max) (V)	VEBO (max) (V)	Rise and Fall Times Typ. (μs)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
<b>Single Channel</b>														
782—H11D1		G	DIP-6	UL/BSI	60	300	7	2.5/5.5	5.3kV	20/----/----	1.49	1.15	.851	.69
782—H11D2		G	DIP-6	UL/BSI	60	300	7	2.5/5.5	5.3kV	20/----/----	1.15	.92	.76	.626
782—H11D3		G	DIP-6	UL/BSI	60	200	7	2.5/5.5	5.3kV	20/----/----	1.13	.94	.627	.548

## PHOTO TRIAC OUTPUT (NON-ZERO CROSSING)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	dV/dtcr (Typ.) (V/μs)	VDRM (max) (V)	IF (mA)	Reverse Voltage (max.) (V)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
782—IL420		H	DIP-6	UL/CSA	10000	600	60.0	6.0	5.3kV	1.0/2.0	2.75	2.05	1.64	1.56
782—IL4208		H	DIP-6	UL/CSA	10000	800	60.0	6.0	5.3kV	1.0/2.0	2.99	2.23	1.78	1.69
782—IL4218		H	DIP-6	UL/BSI/CSA	10000	800	60.0	6.0	5.3kV	0.7/----	3.79	2.82	2.25	2.14
78—K3010P		H	DIP-6	UL/BSI	10	250	80.0	5.0	3.75kV	8.0/15.0	.50	.41	.346	.306
78—K3011P		H	DIP-6	UL/BSI	10	250	80.0	5.0	3.75kV	5.0/10.0	.51	.35	.311	.302
78—K3012P		H	DIP-6	UL/BSI	10	250	80.0	5.0	3.75kV	2.0/5.0	.53	.44	.37	.328
78—K3020P		H	DIP-6	UL/BSI	10	400	80.0	5.0	3.75kV	15.0/30.0	.50	.41	.346	.306
78—K3021P		H	DIP-6	UL/BSI	10	400	80.0	5.0	3.75kV	8.0/15.0	.42	.34	.28	.249
78—K3021PG		H	DIP-6	UL/BSI	10	400	80.0	5.0	3.75kV	8.0/15.0	.51	.43	.35	.317
78—K3022P		H	DIP-6	UL/BSI	10	400	80.0	5.0	3.75kV	5.0/10.0	.53	.44	.37	.328
782—K3022PG		H	DIP-6	UL/BSI	10	400	80.0	5.0	3.75kV	5.0/10.0	.45	.36	.322	.313
78—K3023P		H	DIP-6	UL/BSI	10	400	80.0	5.0	3.75kV	2.0/5.0	.42	.34	.277	.248
782—K3023PG		H	DIP-6	UL/BSI	10	400	80.0	5.0	3.75kV	2.0/5.0	.58	.47	.38	.34
782—VO3052		H	DIP-6	UL/BSI/CUL	1500	600	60.0	6.0	5.3kV	----/10	.51	.38	.367	.356
782—VO4256H		H	DIP-6	UL/CSA	5000	600	60.0	6.0	5.3kV	----/2.0	1.85	1.48	1.22	.962
782—VO4258M		H	DIP-6	UL/CSA	5000	800	60.0	6.0	5.3kV	----/3.0	2.37	1.90	1.57	1.23

## PHOTO TRIAC OUTPUT (ZERO CROSSING)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	IOH/IOV (PEAK) (Max.)(A)	Rise and Fall Times Typ. (μs)	VCC-VEE (Min./Max.) (V)	Isolation Voltage (VRMS)	Input-Output Capacitance @ 1.0 MHz (pF)	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
782—IL410		I	DIP-6	UL/CSA	10000	600	60.0	6.0	5.3kV	----/2.0	2.75	2.05	1.64	1.56
782—VO3062		I	DIP-6	UL/CUL	1500	600	60.0	6.0	5.3kV	----/10	1.19	.80	.68	.552
782—VO4156H		I	DIP-6	UL/CSA	5000	600	60.0	6.0	5.3kV	----/2.0	1.98	1.58	1.30	1.02
782—VO4158D		I	DIP-6	UL/CSA	5000	800	60.0	6.0	5.3kV	----/1.6	2.16	1.62	1.54	1.50

## POWER PHOTO TRIAC OUTPUT

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	IOH/IOV (PEAK) (Max.)(A)	Rise and Fall Times Typ. (μs)	VCC-VEE (Min./Max.) (V)	Isolation Voltage (VRMS)	Input-Output Capacitance @ 1.0 MHz (pF)	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
782—VO3526		J	DIP-10(16)	UL/VDE	210	600	50.0	5.0	5.3kV	----/10	1.20	.96	.79	.70

## LINEAR OPTOCOUPLEDERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	Input Power Dissipation	Freq. Response (kHz)	Transfer Gain Linearity (ΔK3) (%)	Isolation Voltage (VRMS)	Input-Output Capacitance @ 1.0 MHz (pF)	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
782—IL300		K	DIP-8	UL	60	160mW	200	0.557 to 1.618	5.3kV	1	3.71	2.76	2.21	2.10
782—IL300-DEFG		K	DIP-8	UL	60	160mW	200	0.765 to 1.181	5.3kV	1	3.83	2.85	2.28	2.17
782—IL300-E		K	DIP-8	UL	60	160mW	200	0.851 to 0.955	5.3kV	1	9.10	7.19	5.63	5.52
782—IL300-EF		K	DIP-8	UL	60	160mW	200	0.851 to 1.061	5.3kV	1	5.31	4.20	3.29	3.22
782—IL300-F		K	DIP-8	UL	60	160mW	200	0.945 to 1.061	5.3kV	1	9.10	7.19	5.63	5.52
782—IL388		L	SOIC-8	-----	30	150mW	1000	0.690 to 1.311	2.13kV	1	3.52	2.92	2.29	2.23

## CURRENT IGBT AND MOSFET DRIVERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	IOH/IOV (PEAK) (Max.)(A)	Rise and Fall Times Typ. (μs)	VCC-VEE (Min./Max.) (V)	Isolation Voltage (VRMS)	Total Power Dissipation (Max.) (mW)	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
782—VO3120-X007T		M	SMD-8	UL/CSA	25	2.5	0.1/0.1	15/32	5.3kV	295	2.11	1.81	1.51	.907
782—VO3120		M	DIP-8	UL/CSA	25	2.5	0.1/0.1	15/32	5.3kV	295	1.55	1.24	1.02	.806
782—VO3150A-X007T		M	SMD-8	UL/CSA	25	0.5	0.1/0.1	15/32	5.3kV	295	1.79	1.54	1.28	.81
782—VO3150A		M	DIP-8	UL/CSA	25	0.5	0.1/0.1	15/32	5.3kV	295	1.56	1.24	.86	.75

## ANALOG TRANSISTOR OCTOCOUPLEDERS, HIGH-SPEED

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	Input Power Dissipation	Reverse Voltage (Max.) (V)	VCC-VEE (Typ./Max.) (V)	Isolation Voltage (VRMS)	Total Power Dissipation (Max.) (mW)	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
782—VOM452T		N	SOP-5	UL/CUL	25	45mW	3	0.15/0.40	3750	45	1.14	.71	.52	.45
782—VOM453T		N	SOP-5	UL/CUL	25	45mW	3	0.15/0.40	3750	45	1.33	.83	.61	.53

