

# OPTEK Optoelectronics



Opto Components

## Optical Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Output Type	Slot Width (In.)	Lead Spacing (In.)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828—	OPB620	A	Transistor	0.20	0.325	1.57	1.14	1.06
828—	OPB804	A	Transistor	0.16	0.31	1.98	1.44	1.34
828—	OPB818	A	Transistor	0.21	0.41	2.37	1.72	1.60
828—	OPB848	A	Transistor	0.21	0.31	2.12	1.54	1.43
828—	OPB610	A	Phototransistor	0.16	0.28	1.57	1.14	1.06
828—	OPB680	B	Transistor	0.09	0.28	2.86	2.08	1.93
828—	OPB819Z	C	Transistor	1.25	---	7.12	5.18	4.80
828—	OPB930W55Z	D	Photologic ®	0.13	---	6.49	4.72	4.37

## Reflective Object Sensors

† Photologic ®

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MOUSER STOCK NO.		Fig.	Cont. Forward Current (mA)	Reverse DC Voltage	Forward Voltage (VF)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828—	OPB700Z	E	100	2.0	1.70	9.90	7.20	6.65
828—	OPB701ALZ	E	100	2.0	1.70	13.09	9.52	8.81
828—	OPB710	F	50	3.0	1.50	7.67	4.58	5.17
828—	OPB742	G	40	2.0	1.70	2.89	2.10	1.95
828—	OPB745	G	40	2.0	1.70	3.60	2.62	2.43
† 828—	OPB716Z	H	50	---	4.75	8.58	6.24	5.78
† 828—	OPB770TZ	I	10	---	4.75	8.94	6.50	6.02

## Halloglic® Hall Effect Sensors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Operating Point (Min./Typ./Max)	Release Point	Supply Curr. (Typ./Max)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828—	OH090U	J	0/90/180	-100/65/100	6/9 (mA)	2.16	1.26	1.20
828—	OHS3140U	J	45/-/270	25/-/250	4/7 (mA)	2.31	1.35	1.28

## Halloglic® Hall Effect Sensor Assembly

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Output Rise Time (Typ./Max)	Output Fall Time (Typ./Max)	Supply Curr. (Typ./Max)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828—	OHB900	K	0.21/1.00 µs	0.10/1.00 µs	4/7 (mA)	6.72	3.92	3.72

## SMD Infrared LED Emitters and Detectors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Peak Emission Wavelength	Emission Angle	Voltage		Price Each		
Mfr.	Mfr. Part No.					Rev.	Fwd.	1	10	100
828—	OP520	L	1206	935nm	-	30V	5V	.41	.35	.25
828—	OP521	L	1206	935nm	-	30V	5V	.41	.35	.25
828—	OP522	M	1206	935nm	-	30V	5V	.41	.35	.25
828—	OP570	N	SMT	935nm	-	30V	5V	.49	.41	.29
828—	OP571	N	SMT	935nm	-	30V	5V	.49	.41	.29
828—	OP572	N	SMT	935nm	-	30V	5V	.49	.41	.29
828—	OP573	N	SMT	935nm	-	30V	5V	.49	.41	.29
828—	OP580	O	PLCC-2	935nm	-	30V	5V	.56	.47	.34

## Infrared NPN Phototransistors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Peak Sensitivity Wavelength	VCEO	IC (mA)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828—	OP599A	P	890nm	30V	2.35	.66	.54	.50
828—	OP505A	P	935nm	30V	4.30	.59	.49	.45
828—	OP506A	Q	935nm	30V	4.30	.75	.62	.57
828—	OP506B	Q	935nm	30V	2.15	.75	.62	.57
828—	OP550A	R	935nm	30V	2.55	.70	.58	.53
828—	OP598A	S	890nm	30V	7.50	.70	.58	.53
828—	OP598B	S	890nm	30V	5.0	.70	.58	.53
828—	OP805SL	T	890nm	30V	15.0	2.16	1.77	1.62

## Fiber Optic LED

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Optical Power Output	Output Rise Time (Typ.) (ns)	Cont. Forward DC Current (mA)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828—	OPF1414T	U	-17.3µW / -13.8µW	4.0	100	12.85	10.52	9.64
828—	OPF370A	V	25.0µW / 29.0µW	6.0	100	8.89	7.28	6.68
828—	OPF372A	W	25.0µW / 29.0µW	6.0	100	17.43	14.26	13.07

## Fiber Optic Pin Photodiodes and Receivers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Responsively Min./Typ.	Output Rise Time (Typ.) (ns)	Output Current (mA)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828—	OPF2416T	U	5.3 / 7.0 (mV/µW)	3.3	25	13.86	11.34	10.40
828—	OPF470	V	.45 / .55 (A/W)	6.0	---	7.44	6.09	5.58
828—	OPF480	V	.45 / .55 (A/W)	1.0	---	7.30	5.98	5.48
828—	OPF482	W	.45 / .55 (A/W)	1.0	---	15.49	12.68	11.62

## Optoisolators

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Isolation Voltage	Continuous Forward Current	Power Dissipation	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828—	OPH1264A	X	±10K	40mA	100mw	2.75	2.00	1.85

