

# OPTEK Optoelectronics



Opto Components

### Infrared LEDs

• Wavelength (nm): 880

MOUSER STOCK NO.	Package	P <sub>d</sub> (mW)	Price Each		
			1	10	100
828-OP200	0805	130	.38	.33	.23
828-OP250	1206	130	.38	.33	.23
828-OP251	1206	130	.44	.38	.27
828-OP270	1.9mm Axial	130	.51	.43	.30
828-OP271	1.9mm Gull	130	.50	.43	.30
828-OP272	1.9mm Yoke	130	.50	.43	.30
828-OP273	1.9mm Z-Bend	130	.54	.45	.32
828-OP280	PLCC-2	130	.48	.40	.28

### Infrared NPN Phototransistors-Surface Mount

• Wavelength (nm): 890

MOUSER STOCK NO.	Package	IC (on) (mA)	P <sub>d</sub> (mW)	Price Each		
				1	10	100
828-OP520	1206	.25	75	.32	.27	.24
828-OP521	1206	.25	75	.30	.25	.22
828-OP522	1206	.50	75	.30	.25	.22
828-OP580	PLCC-2	1.0	75	.48	.36	.32
828-OP570	1.9mm Axial	2.5	130	.39	.29	.26
828-OP571	1.9mm Gull	2.5	130	.32	.27	.24
828-OP572	1.9mm Yoke	2.5	130	.30	.23	.20
828-OP573	1.9mm Z-Bend	2.5	130	.32	.27	.24

### Infrared NPN Phototransistors-Thru-Hole

• Wavelength (nm): 890

MOUSER STOCK NO.	Package	IC (on) (mA)	P <sub>d</sub> (mW)	Price Each		
				1	10	100
828-OP505A	T1	4.3	100	.63	.56	.51
828-OP506A	T1	4.3	100	.80	.70	.65
828-OP506B	T1	2.15	100	.80	.70	.65
828-OP599A	T1-3/4	2.35	100	.69	.61	.56
828-OP550A	Side Look	2.55	100	.71	.64	.60
828-OP598A	TO-18	7.5	100	.71	.64	.60
828-OP598B	TO-18	5.0	100	.71	.63	.58
828-OP805SL	TO-18	15.0	250	2.25	1.98	1.82

### Fluid Sensors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Tube Size (in)	Lead Type	Wave-length	Sensor	Price Each		
						1	10	100
828-OPB350L062	A	0.062	PCB Pins	890nm	Transistor	7.40	6.63	5.38
828-OPB350	A	0.125	PCB Pins	890nm	Transistor	6.68	5.42	4.85
828-OPB350L187	A	0.187	PCB Pins	890nm	Transistor	7.40	6.63	5.38
828-OPB350L250	A	0.25	PCB Pins	890nm	Transistor	6.87	6.38	5.01
828-OPB350W062Z	B	0.062	Wire Leads	890nm	Transistor	9.65	8.45	7.02
828-OPB350W187Z	B	0.187	Wire Leads	890nm	Transistor	9.31	8.14	6.77
828-OPB350W250Z	B	0.25	Wire Leads	890nm	Transistor	8.98	8.14	6.54

### Color Sensors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Colors	Supply Voltage	Operating Temp Range	Price Each		
					1	10	100
828-OPB780Z	C	256	2.7-5.5	-40° - +70°C	21.73	20.42	18.12
828-OPB780KIT	D	Color sensor light to frequency kit			125.00	119.00	110.00

### Reflective Object Sensors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cont. Forward Current (mA)	Sensor	Forward Voltage (VF)	Price Each		
					1	10	100
828-OPB733TR	E	50	Transistor	1.7	2.99	2.56	1.93
828-OPB609AX	F	50	Transistor	1.7	.72	.54	.36
828-OPB609RA	G	50	Transistor	1.7	.72	.54	.36
828-OPB609GU	H	50	Transistor	1.7	.85	.54	.46
828-OPB700Z	I	100	Transistor	1.7	8.26	6.02	5.58
828-OPB701ALZ	I	100	Transistor	1.7	10.80	9.71	9.17
828-OPB710	J	50	Transistor	1.5	7.67	5.26	4.81
828-OPB742	K	40	Transistor	1.7	2.89	2.52	2.20
828-OPB745	K	40	Transistor	1.7	3.81	2.88	2.67
828-OPB716Z	L	50	Transistor	4.75	7.96	7.76	6.75
828-OPB770TZ	M	10	Logic	4.75	8.25	6.40	6.20

### Hollogic® 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		
					1	10	100
828-OH090U	N	0/90/180	-100/65/100	6/9(mA)	2.79	1.95	1.60
828-OHS3140U	N	45/-/270	25/-/250	4/7(mA)	3.11	1.95	1.88

### 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		
					1	10	100
828-OPB420AZ	O	Transistor	45° Ref.	---	5.81	4.77	4.38
828-OPB420BZ	O	Transistor	45° Ref.	---	5.74	4.71	4.32
828-OPB620	P	Transistor	0.19	0.325	1.99	1.69	1.50
828-OPB804	P	Transistor	0.15	0.31	2.02	1.71	1.52
828-OPB818	P	Transistor	0.20	0.41	2.85	2.26	2.11
828-OPB848	P	Transistor	0.10	0.31	2.60	2.22	1.99
828-OPB610	P	Transistor	0.15	0.28	1.99	1.69	1.50
828-OPB680	Q	Transistor	Flag	0.28	4.87	4.24	3.88
828-OPB819Z	R	Transistor	1.26	---	6.63	5.18	4.80
828-OPB930W55Z	S	Photologic®	0.125	---	6.05	5.23	4.88

### Fiber Optic LED

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Power Min/Typ	Fiber	Lead Spacing (in.)	Price Each		
					1	10	100
828-OPF1414T	T	13.2µW / 26.0µW	50/125	100	15.29	13.77	12.61
828-OPF370A	U	25.0µW / 29.0µW	50/125	100	9.77	8.00	7.34
828-OPF372A	V	25.0µW / 29.0µW	50/125	100	17.43	15.40	13.85

### 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 (ns)	Output Current (mA)	Price Each		
					1	10	100
828-OPF2416T	T	5.3 / 7.0 (mV/µW)	3.3	25	14.28	12.85	11.79
828-OPF470	U	.45 / .55 (A/W)	6.0	---	10.12	8.19	7.59
828-OPF480	U	.45 / .55 (A/W)	1.0	---	7.85	6.70	6.05
828-OPF482	V	.45 / .55 (A/W)	1.0	---	15.49	13.94	12.78

### Optoisolators

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Isolation Voltage	Cont Forward Current	Current Transfer Ratio	Price Each		
					1	10	100
828-OP11264A	W	10K	40mA	25%	2.99	2.47	2.20

