

**Semiconductor Interrupter Modules**



Fig.	Circuit	Output Type	Ic (on) (mA) min.	Test Conditions I/Vcc	Slot Width (mm)	Lead Spacing (mm)	Digi-Key Part No.	Price Each			
								1	10	500	
1	B	Transistor	1.0	20mA @ 5V	3.18	5.59	QVA11134-ND	1.19	.97	.68	.51
	B	Transistor	1.0	20mA @ 5V	3.15	7.24	H22A1-ND	1.10	.90	.62	.47
	B	Transistor	2.0	20mA @ 5V	3.15	7.24	H22A2-ND	1.10	.90	.62	.47
	B	Transistor	4.0	20mA @ 5V	3.15	7.24	H22A3-ND	1.10	.90	.62	.47
	A	Darlington	2.5	5mA @ 1.5V	3.15	7.24	H22B1-ND	.94	.77	.53	.40
2	C	Transistor	0.5	20mA @ 5V	3.81	7.62	QVE11233-ND	1.22	1.00	.69	.52
	B	Transistor	1.0	20mA @ 5V	3.15	7.24	H21A1-ND	1.10	.90	.62	.47
	B	Transistor	2.0	20mA @ 5V	3.15	7.24	H21A2-ND	1.10	.90	.62	.47
	B	Transistor	4.0	20mA @ 5V	3.15	7.24	H21A3-ND	1.10	.90	.62	.47
	A	Darlington	2.5	5mA @ 1.5V	3.15	7.24	H21B1-ND	.94	.77	.53	.40

**Optologic Interrupter Modules**

Fig.	Circuit	Output Type	VCC	Max Output Current (mA)	Rise/Fall (ns)	Digi-Key Part No.	Price Each			
							1	10	500	
4	K	T.P. BUFF	4.5 - 16.0	50	70	H21LTB-ND	1.22	1.00	.69	.52
	L	T.P. INV	4.5 - 16.0	50	70	H21LTI-ND	1.22	1.00	.69	.52
	M	O.C. BUFF	4.5 - 16.0	50	70	H21LOB-ND	1.29	1.05	.73	.55
	N	O.C. INV	4.5 - 16.0	50	70	H21LOI-ND	1.22	1.00	.69	.52
5	K	T.P. BUFF	4.5 - 16.0	50	70	H22LTB-ND	1.35	1.10	.76	.58
	L	T.P. INV	4.5 - 16.0	50	70	H22LTI-ND	1.16	.95	.66	.50
	M	O.C. BUFF	4.5 - 16.0	50	70	H22LOB-ND	1.16	.95	.66	.50
	N	O.C. INV	4.5 - 16.0	50	70	H22LOI-ND	1.16	.95	.66	.50

◆ RoHS Compliant

**Semiconductor Infrared Photo Detectors**

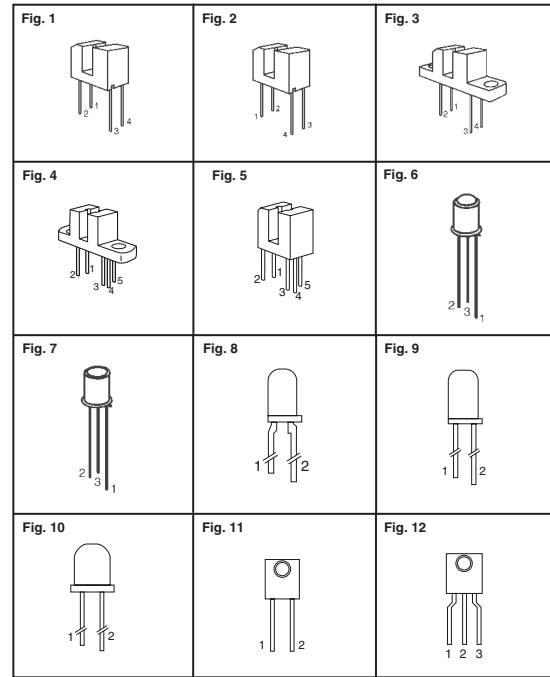
Fig.	Circuit	BVCEO (V)	Ic @ 5Vcc (mA)	Rise/Fall (µ sec)	Reception Angle ±	Peak Wavelength Sensitivity	Digi-Key Part No.	Price Each			
								1	10	500	
6	F	45	6	8/7	—	880	BPW36-ND	1.65	1.46	.95	.76
	F	45	6	8/7	—	880	L14G1-ND	1.59	1.41	.91	.73
	F	45	3	8/7	—	880	L14G2-ND	1.65	1.46	.95	.76
	F	45	12	8/7	—	880	L14G3-ND	1.65	1.46	.95	.76
	F	30	4	10/12	12	880	L14P1-ND	1.81	1.61	1.04	.83
	F	30	8	14/16	12	880	L14P2-ND	1.81	1.61	1.04	.83
7	E	25	3	300/250	8	880	BPW38-ND	1.65	1.46	.95	.76
	E	25	3	300/250	8	880	L14F1-ND	1.65	1.46	.95	.76
	E	25	1	300/250	8	880	L14F2-ND	1.65	1.46	.95	.76
	F	50	1	5/5	60	880	L14C1-ND	1.65	1.46	.95	.76
	F	50	0.5	5/5	60	880	L14C2-ND	1.65	1.46	.95	.76
	F	30	3	10/12	30	880	L14N1-ND	1.65	1.46	.95	.76
8	D	30	1	5/5	8	880	QSC112-ND	.34	.25	.16	.10
	D	30	2	5/5	8	880	QSC113-ND	.34	.25	.16	.10
	D	30	4	5/5	8	880	QSC114-ND	.34	.25	.16	.10
9	D	30	1.6	7/7	12	880	QSD122-ND	.35	.26	.17	.12
	D	30	3.2	7/7	12	880	QSD123-ND	.35	.26	.17	.12
	D	30	7.5	7/7	12	880	QSD124-ND	.35	.26	.17	.12
10	D	30	1.2	8/8	12	880	QSD722-ND	.35	.25	.17	.12
	D	30	3	8/8	12	880	QSD723-ND	.35	.25	.17	.12
	D	30	0.64	8/8	8	880	QSE113-ND	.38	.28	.18	.13
	D	30	1.28	8/8	8	880	QSE114-ND	.38	.28	.18	.13
	D	30	0.4	8/8	25	880	QSE122-ND	.49	.36	.24	.17
	D	30	0.2	8/8	25	880	QSE213C-ND	.36	.29	.20	.12
11	D	30	1.0	8/8	25	880	QSE214C-ND	.36	.29	.20	.12

◆ RoHS Compliant

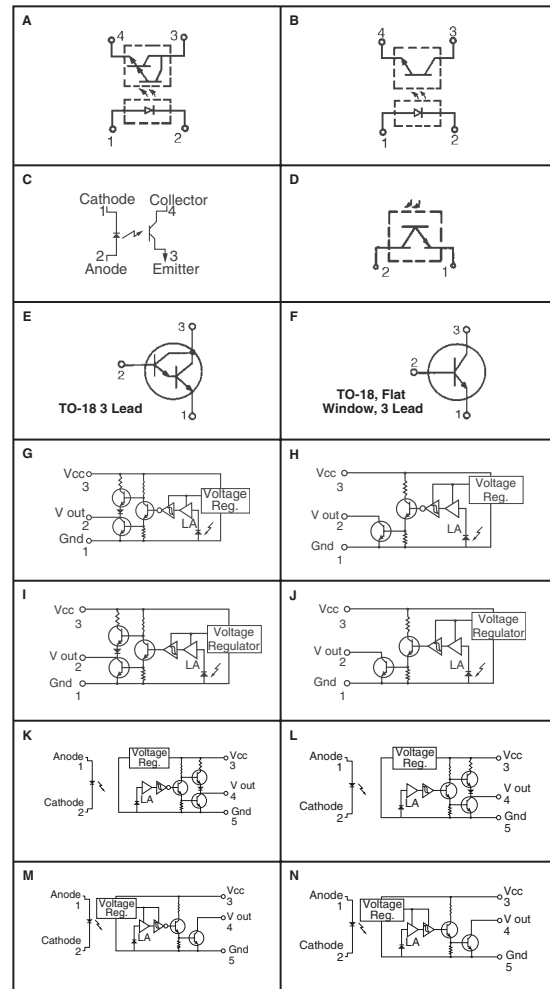
**Logic Detectors**



Fig.	Circuit	Output Type	VCC	Isink (mA)	Isource (mA)	Rise/Fall (ns)	Reception Angle ±	Peak Wavelength Sensitivity	Digi-Key Part No.	Price Each			
										1	10	500	
12	G	T.P. BUFF	4.5 - 16	50	10	70	25	880	QSE156-ND	.57	.44	.32	.24
	I	T.P. INV	4.5 - 16	50	10	70	25	880	QSE157-ND	.56	.44	.32	.24
	H	O.C. BUFF	4.5 - 16	50	—	100	25	880	QSE158-ND	.54	.43	.31	.24
	J	O.C. INV	4.5 - 16	50	—	100	25	880	QSE159-ND	.54	.43	.31	.24



**Circuits**



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