

**Reflective Photosensors**

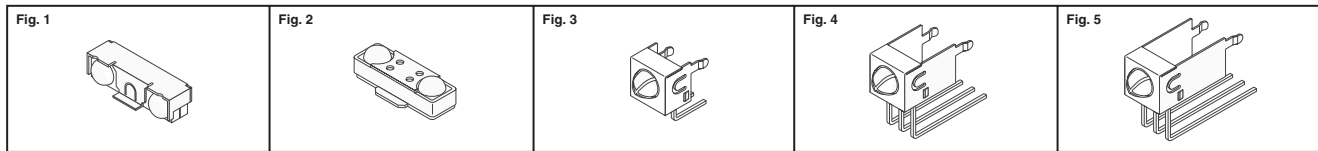
Fig.	Output Type	Min/Max Output Ic @ If	Optimum Sensing Distance	Termination	Digi-Key Part No.	1	Price Each 10	100	500
1	Transistor	.6/3 @ 40mA	3.81mm	Leads	QRB1114-ND♦	1.10	.90	.62	.47
					QRB1134-ND♦	1.31	1.17	.76	.61
2	Transistor	1/5 @ 20mA	1.27mm	Leads	QRD1114-ND	.91	.74	.52	.39

**Semiconductor Infrared Emitters (IRED LEDs)**

Fig.	Forward Volt. (V)	Max. Forward Current (mA)	Minimum Power Output	Beam Angle +/-	Peak Wave-Length (nm)	Package Type	Digi-Key Part No.	1	Price Each 10	100	500
3	1.7	100	6.0mW/sr	8	940	TO-46	1N6264-ND♦	1.81	1.61	1.04	.83
4	1.7	100	6.0mW	40	940	TO-46	1N6265-ND♦	1.76	1.56	1.01	.81
3	1.7	100	25.0mW/sr	10	940	TO-46	1N6266-ND♦	1.81	1.61	1.04	.83
4	1.7	100	5.4mW	40	940	TO-46	CQX15-ND♦	1.76	1.56	1.01	.81
3	1.7	100	12.0mW	10	880	TO-46	F5D1-ND♦	2.03	1.80	1.17	.93
3	1.7	100	9.0mW	10	880	TO-46	F5D2-ND♦	2.03	1.80	1.17	.93
3	1.7	100	10.5mW	10	880	TO-46	F5D3-ND♦	2.03	1.80	1.17	.93
4	1.7	100	12.0mW	40	880	TO-46	F5E1-ND♦	2.03	1.80	1.17	.93
4	1.7	100	10.5mW	40	880	TO-46	F5E3-ND	2.03	1.80	1.17	.93
3	1.7	100	1.5mW/sr	10	940	TO-46	LED56-ND♦	1.81	1.61	1.04	.83
4	1.7	100	3.5mW/sr	40	940	TO-46	LED55BF-ND	1.76	1.56	1.01	.81
3	1.7	100	3.5mW/sr	10	940	TO-46	LED55B-ND	1.81	1.61	1.04	.83
3	1.7	100	5.4mW/sr	8	940	TO-46	LED55C-ND	1.81	1.61	1.04	.83
5	1.7	50	14mW/sr	8	940	T-1	QEC113-ND♦	.34	.25	.16	.10
5	1.7	50	27mW/sr	8	880	T-1	QEC122-ND♦	.35	.25	.17	.12
6	1.5	100	80mW/sr	9	880	T-1 3/4	QED123-ND♦	.35	.25	.17	.12
6	1.7	100	16mW/sr	20	880	T-1 3/4	QED222-ND♦	.35	.25	.17	.12
6	1.7	100	25mW/sr	20	880	T-1 3/4	QED223-ND♦	.35	.25	.17	.12
6	1.5	100	10mW/sr	20	940	T-1 3/4	QED233-ND♦	.35	.25	.17	.10
6	1.5	100	27mW/sr	20	940	T-1 3/4	QED234-ND♦	.35	.25	.17	.10
7	1.7	100	18mW/sr	30	880	Plastic TO-46	QED423-ND♦	.76	.62	.43	.33
7	1.7	100	20mW/sr	15	880	Plastic TO-46	QED522-ND♦	.35	.25	.17	.12
7	1.7	100	40mW/sr	15	880	Plastic TO-46	QED523-ND♦	.37	.29	.21	.17
8	1.5	50	3mW/sr	25	940	SIDELOOK	QEE113-ND♦	.38	.28	.18	.13
8	1.7	50	8mW/sr	25	880	SIDELOOK	QEE123-ND♦	.49	.36	.24	.17

♦ RoHS Compliant

**Remote Control Receivers**



**Features:** These remote control receiver modules are small sized, light-weight and low consumption. These modules have been achieved by using resin mold.

**Applications:** All household electric appliances such as TV, DVD, air conditioner and audio equipment.

**Specifications:** • Output Current: 2.0mA • Storage Temperature: -30°C ~ 100°C • Operating Temperature: -10°C ~ 75°C

Fig.	Freq- uency (kHz)	Viewing Type	Operating Supply Voltage	Digi-Key Part No.	Price Each 1	25	100	T&R† Pricing 2,500	Rohm Part No.
<b>5300 Series</b>									
1	36.7 37.9	Side	3.0	RPM5337-H14E2ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5337-H14E2A
				RPM5338-H14E2ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5338-H14E2A
2	37.9 40.0	Top	3.0	RPM5338-H12E4ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5338-H12E4A
				RPM5340-H12E4ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5340-H12E4A
<b>5500 Series</b>									
1	36.7 37.9	Side	5.0	RPM5537-H14E2ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5537-H14E2A
				RPM5538-H14E2ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5538-H14E2A
2	36.7 37.9 40.0	Top	5.0	RPM5537-H12E4ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5537-H12E4A
				RPM5538-H12E4ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5538-H12E4A
2	37.9 40.0	Top	5.0	RPM5538-H12E4ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5538-H12E4A
				RPM5540-H12E4ACT-ND‡	1.52	1.16	.92	780.46/M	RPM5540-H12E4A
<b>7136 Series</b>									
3	36.0	Top	5.0	RPM7136-H8R-ND	.88	.50	.41	—	RPM7136-H8R
4	36.0			RPM7136-H9R-ND	.88	.50	.41	—	RPM7136-H9R
5	36.0			RPM7136-H4R-ND	.88	.50	.41	—	RPM7136-H4R
<b>7137 Series</b>									
3	36.7	Top	5.0	RPM7137-H8R-ND	.88	.50	.41	—	RPM7137-H8R
4	36.7			RPM7137-H9R-ND	.88	.50	.41	—	RPM7137-H9R
5	36.7			RPM7137-H4R-ND	.88	.50	.41	—	RPM7137-H4R
<b>7138 Series</b>									
3	37.9	Top	5.0	RPM7138-H8R-ND	.88	.50	.41	—	RPM7138-H8R

Fig.	Freq- uency (kHz)	Viewing Type	Operating Supply Voltage	Digi-Key Part No.	Price Each 1	25	100	T&R† Pricing 2,500	Rohm Part No.
4	37.9	Top	5.0	RPM7138-H9R-ND	.88	.50	.41	—	RPM7138-H9R
5	37.9			RPM7138-H4R-ND	.88	.50	.41	—	RPM7138-H4R
<b>7140 Series</b>									
3	40.0	Top	5.0	RPM7140-H8R-ND	.88	.50	.41	—	RPM7140-H8R
4	40.0			RPM7140-H9R-ND	.88	.50	.41	—	RPM7140-H9R
5	40.0			RPM7140-H4R-ND	.88	.50	.41	—	RPM7140-H4R
<b>7236 Series</b>									
3	36.0	Top	3.0	RPM7236-H8R-ND	.88	.50	.41	—	RPM7236-H8R
4	36.0			RPM7236-H9R-ND	.88	.50	.41	—	RPM7236-H9R
5	36.0			RPM7236-H4R-ND	.88	.50	.41	—	RPM7236-H4R
<b>7237 Series</b>									
3	36.7	Top	3.0	RPM7237-H8R-ND	.88	.50	.41	—	RPM7237-H8R
4	36.7			RPM7237-H9R-ND	.88	.50	.41	—	RPM7237-H9R
5	36.7			RPM7237-H4R-ND	.88	.50	.41	—	RPM7237-H4R
<b>7238 Series</b>									
3	37.9	Top	3.0	RPM7238-H8R-ND	.88	.50	.41	—	RPM7238-H8R
4	37.9			RPM7238-H9R-ND	.88	.50	.41	—	RPM7238-H9R
5	37.9			RPM7238-H4R-ND	.88	.50	.41	—	RPM7238-H4R
<b>7240 Series</b>									
3	40.0	Top	3.0	RPM7240-H8R-ND	.88	.50	.41	—	RPM7240-H8R
4	40.0			RPM7240-H9R-ND	.88	.50	.41	—	RPM7240-H9R
5	40.0			RPM7240-H4R-ND	.88	.50	.41	—	RPM7240-H4R

† For Tape and Reel part number, change CT-ND to TR-ND. ‡ Cut Tape

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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