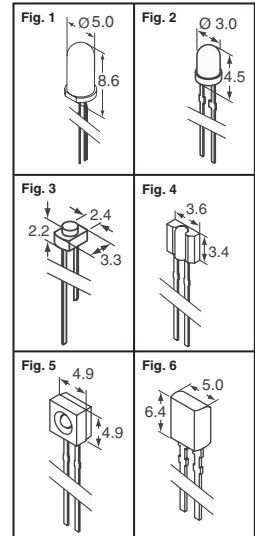


Fig.	Package	Peak Wavelength (nm)	Bandwidth (nm)	Collector Light Current Ica (mA) Typ.	View Angle (°)	On/Off Time (µs)	Digi-Key Part No.	Price Each			Tape & Reel†		Vishay Part No.
								1	10	100	Qty.	Pricing	
1	5.0 mm	850	620 - 980	10	30	6/5	751-1003-ND	.78	.62	.48	—	—	BPV11
		930	900 - 980	9	30	6/5	751-1004-ND	.78	.62	.48	—	—	BPV11F
2	3.0 mm	850	620 - 980	1.5	50	2.0/2.3	751-1023-ND	.57	.42	.34	—	—	BPW85
		925	875 - 1000	3.2	60	2.0/2.3	751-1041-ND	.57	.42	.34	—	—	TEFT4300
3	1.8 mm	825	620 - 960	0.14	80	4.8/5	751-1010-ND	.60	.47	.37	—	—	BPW16N
		825	620 - 960	1	24	4.8/5	751-1011-ND	.60	.47	.37	—	—	BPW17N
4	Side View	920	850 - 980	2.5	60	6/5	751-1061-ND	.72	.63	.48	—	—	TEST2600
5	Side View	920	850 - 980	4	74	6/5	751-1042-ND	.76	.60	.46	—	—	TEKT5400S
7	TO-18	850	620 - 980	0.6	80	6/5	751-1018-ND	1.58	1.24	1.04	—	—	BPW76A
		850	620 - 980	1.2	80	6/5	751-1019-ND	1.58	1.24	1.04	—	—	BPW76B
		850	620 - 980	10	20	6/5	751-1020-ND	1.58	1.24	1.04	—	—	BPW77NA
		850	620 - 980	20	20	6/5	751-1021-ND	1.58	1.24	1.04	—	—	BPW77NB
8	1.9 mm	950	750 - 980	7	30	2.0/2.3	751-1052-1-ND‡	.63	.50	.43	1,000	217.18	TEMT1000
9	1.9 mm	950	750 - 980	7	30	2.0/2.3	751-1053-1-ND‡	.63	.50	.43	1,000	217.18	TEMT1020
10	1.9 mm	950	750 - 980	7	30	2.0/2.3	751-1054-1-ND‡	.63	.50	.43	1,000	217.18	TEMT1030
16	PLCC-2	830	620 - 980	0.5	120	2	751-1237-1-ND‡	.70	.55	.48	1,500	243.07/M	VENT3700-GS08

† For Tape and Reel Part number, change 1-ND to 2-ND. ‡ Cut Tape



**PIN Photodiodes**

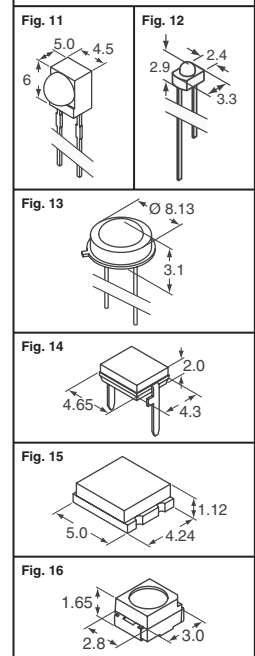
Fig.	Package	Peak Wavelength (nm)	Bandwidth (nm)	Sensitivity I <sub>ra</sub> Typ. (µA)	View Angle (°)	Rise/Fall Time (ns)	Digi-Key Part No.	Price Each			Tape & Reel†		Vishay Part No.
								1	10	100	Qty.	Pricing	
1	5.0 mm	920	570 - 1040	70	40	2.5	751-1001-ND	.81	.63	.49	—	—	BPV10
		940	790 - 1050	60	40	2.5	751-1002-ND	.81	.63	.49	—	—	BPV10NF
6	Flat Side View	900	600 - 1050	50	130	100	751-1017-ND	.73	.59	.50	—	—	BPW46
		950	870 - 1050	45	130	100	751-1016-ND	.70	.56	.47	—	—	BPW41N
		950	790 - 1050	45	130	100	751-1022-ND	.73	.59	.50	—	—	BPW83
7	TO-18	900	600 - 1050	60	24	7	751-1014-ND	2.68	2.34	1.74	—	—	BPW24R
8	1.9 mm	900	840 - 1050	10	30	4	751-1043-1-ND‡	.70	.55	.48	1,000	243.06	TEMD1000
9	1.9 mm	900	840 - 1050	10	30	4	751-1044-1-ND‡	.70	.55	.48	1,000	243.06	TEMD1020
10	1.9 mm	900	840 - 1050	10	30	4	751-1045-1-ND‡	.70	.55	.48	1,000	243.06	TEMD1030
11	Side View	950	870 - 1050	80	120	100	751-1006-ND	.76	.66	.51	—	—	BPV22F
		940	790 - 1050	85	120	100	751-1007-ND	.76	.66	.51	—	—	BPV22NF
		950	870 - 1050	63	120	70	751-1008-ND	.70	.56	.47	—	—	BPV23F
		940	790 - 1050	65	120	70	751-1009-ND	.70	.56	.47	—	—	BPV23NF
		870	790 - 980	25	120	10	751-1060-ND	.78	.63	.53	—	—	TESP5700
13	TO-5	920	550 - 1040	42	100	3.4/3.7	751-1012-ND	3.90	3.45	2.73	—	—	BPW20RF
		565	420 - 675	9	100	3.1/3	751-1013-ND	6.15	5.39	4.26	—	—	BPW21R
14	Top View	900	600 - 1050	50	130	100	751-1015-ND	.82	.72	.55	—	—	BPW34
		950	870 - 1050	45	130	100	751-1000-ND	.79	.69	.53	—	—	BP104
15	Mini SMD	900	600 - 1050	55	130	100	751-1046-1-ND‡	1.32	1.05	.90	1,500	446.35/M	TEMD5010X01
		900	600 - 1050	35	130	100	751-1047-1-ND‡	1.26	1.00	.85	1,500	424.24/M	TEMD5020X01
		940	790 - 1050	55	130	100	751-1048-1-ND‡	1.32	1.05	.90	1,500	446.35/M	TEMD5110X01
		940	790 - 1050	35	130	100	751-1049-1-ND‡	1.26	1.00	.85	1,500	424.24/M	TEMD5120X01

† For Tape and Reel Part number, change 1-ND to 2-ND. ‡ Cut Tape

**Infrared Emitters**

Fig.	Package	Peak Wavelength (nm)	Viewing Angle (°)	Radiant Intensity Typ. (mW/sr)	Rise/Fall Time (ns)	Digi-Key Part No.	Price Each			Tape & Reel†		Vishay Part No.
							1	10	100	Qty.	Pricing	
1	5 mm	940	44	45	800	751-1202-ND	.43	.33	.22	—	—	TSAL5300
		940	20	130	800	751-1203-ND	.43	.33	.22	—	—	TSAL6100
		940	34	60	800	751-1204-ND	.43	.33	.22	—	—	TSAL6200
		940	50	40	800	751-1205-ND	.43	.33	.22	—	—	TSAL6400
		940	60	25	800	751-1206-ND	.43	.33	.22	—	—	TSAL7600
		870	20	180	15	751-1207-ND	.78	.63	.53	—	—	TSFF5210
	5 mm	870	44	70	15	751-1208-ND	.78	.63	.53	—	—	TSFF5410
		890	20	140	30	751-1210-ND	.55	.41	.30	—	—	TSHF5210
		890	44	65	30	751-1211-ND	.55	.41	.30	—	—	TSHF5410
		850	20	160	20/13	751-1212-ND	.97	.78	.65	—	—	TSHG6200
	5 mm	850	44	70	20/13	751-1213-ND	.97	.78	.65	—	—	TSHG6400
		830	20	160	20/13	751-1214-ND	.97	.78	.65	—	—	TSHG8200
830		44	70	20/13	751-1215-ND	.97	.78	.65	—	—	TSHF8400	
2	3 mm	875	40	20	600	751-1209-ND	.46	.34	.27	—	—	TSHA4400
		940	50	30	800	751-1201-ND	.43	.33	.22	—	—	TSAL4400
4	Side View	950	50	2.6	800	751-1233-ND	.55	.41	.33	—	—	TSSS2600
5	Side View	950	60	2 - 7	400/450	751-1216-ND	.70	.55	.43	—	—	TSKS5400S
7	TO-18	875	60	6	300	751-1234-ND	1.89	1.48	1.25	—	—	TSTA7500
		950	60	1.6	400	751-1235-ND	1.82	1.43	1.20	—	—	TSTS7500
8	1.9 mm	870	34	5	30	751-1217-1-ND‡	.73	.58	.50	1,000	253.19	TSMF1000
		950	24	7	800	751-1220-1-ND‡	.63	.50	.43	1,000	217.18	TSML1000
9	1.9 mm	870	34	5	30	751-1218-1-ND‡	.73	.58	.50	1,000	253.19	TSMF1020
		950	24	7	800	751-1221-1-ND‡	.63	.50	.43	1,000	217.18	TSML1020
10	1.9 mm	870	34	5	30	751-1219-1-ND‡	.73	.58	.50	1,000	253.19	TSMF1030
		950	24	7	800	751-1222-1-ND‡	.63	.50	.43	1,000	217.18	TSML1030
12	1.8 mm	950	110	1.5	400/450	751-1026-ND	.53	.39	.31	—	—	CQY36N
		950	24	5	400/450	751-1027-ND	.53	.39	.31	—	—	CQY37N
16	PLCC-2	950	120	4.5	800	751-1258-1-ND‡	.36	.27	.22	1,500	104.55/M	VSM3700-GS08
		940	120	8	800	751-1257-1-ND‡	.51	.38	.30	1,500	145.20/M	VSM3710-GS08
		870	120	15	751-1254-1-ND‡	.62	.49	.42	1,500	216.06/M	VSMF4710-GS08	
		830	120	10	25	751-1255-1-ND‡	1.07	.86	.73	1,500	375.71/M	VSMG2700-GS08
		850	120	10	20/13	751-1256-1-ND‡	.99	.79	.68	1,500	335.82/M	VSMG3700-GS08
		890	120	10	30	751-1253-1-ND‡	.52	.41	.35	1,500	180.05/M	VSMF3710-GS08

† For Tape and Reel Part number, change 1-ND to 2-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.

**Free shipping on orders over £50! All prices are in British pound sterling and include duties.**

2214 (UK091) uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783

