



Dimensions in mm

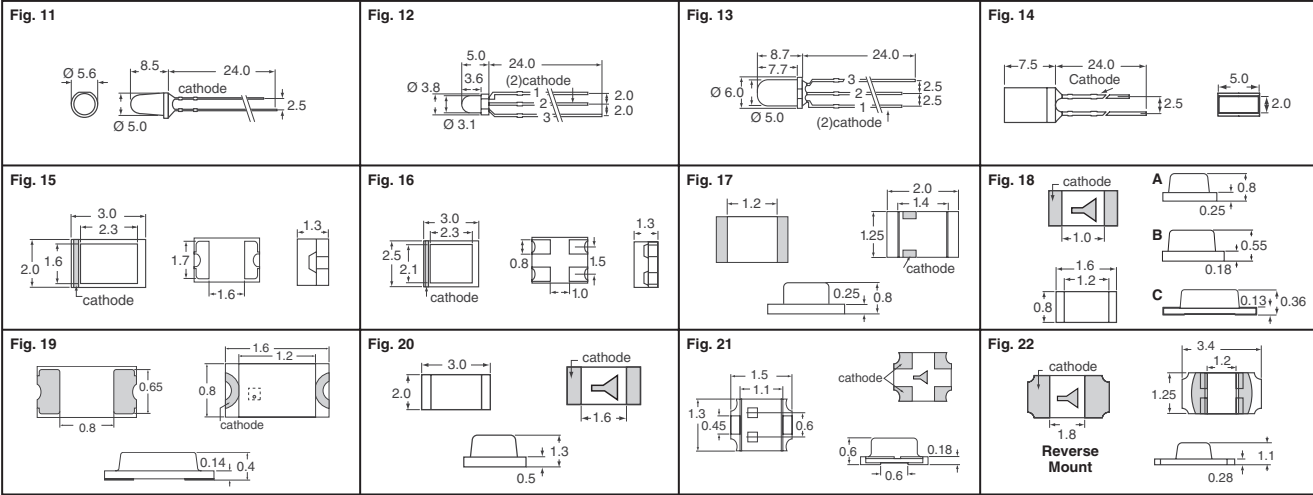


Fig.	Package Type	Emitted Color	Lens	Wavelength (nm)	Forward Voltage (Typ.) (V)	Forward Current (Typ.) (mA)	Luminous Intensity		View Angle	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel†		RoHM Part No.
							mcd	@ IF (mA)			1	25	100	Qty.	Pricing	
10	5mm	Blue	Transparent	468	3.2	30	2,200	20	40°	511-1610-ND‡	1.78	24.05	82.47	—	—	SLA560BD2T3F
	5mm	Green	Water Clear	523	3.5	30	680	20	40°	511-1514-ND‡	2.39	33.23	116.30	—	—	SLA560EC4T3F
	5mm	Red	Water Clear	660	1.75	50	100	20	40°	511-1192-ND‡	.90	13.16	39.65	—	—	SLA-560LT3F
	5mm	Green	Water Clear	563	2.2	25	100	20	40°	511-1193-ND‡	.72	8.81	26.53	—	—	SLA-560MT3F
	5mm	White	Water Clear	—	3.2	25	1,000	20	40°	511-1628-ND‡	1.87	23.82	76.76	—	—	SLA560WBC7T2
	5mm	White	Water Clear	—	3.2	25	1,000	20	40°	511-1642-ND‡	1.81	22.63	76.76	—	—	SLA560WBC7T3
	5mm	White	Water Clear	—	3.2	30	3,300	20	40°	511-1639-1-ND§	4.49	33.04	115.63	2,000	990.87/M	SLA560WBD2PT2
	5mm	White	Water Clear	—	3.2	30	3,300	20	40°	511-1640-ND‡	3.06	41.36	144.76	—	—	SLA560WBD2PT3
	5mm	Red	Water Clear	630	1.9	50	1,000	20	40°	511-1215-ND‡	.89	10.84	32.65	—	—	SLI-560UT3F
	5mm	Orange	Water Clear	611	1.9	50	1,000	20	40°	511-1214-ND‡	.89	10.84	32.65	—	—	SLI-560DT3F
11	5mm	Yellow	Water Clear	591	1.9	50	1,000	20	40°	511-1216-ND‡	.89	10.84	32.65	—	—	SLI-560YT3F
	5mm	Blue	Water Clear	468	3.5	30	1,000	20	16°	511-1515-ND‡	1.96	27.23	95.31	—	—	SLA580BC4T3F
	5mm	Blue	Water Clear	468	3.5	20	2,500	20	12°	511-1370-ND‡	2.52	37.29	127.14	—	—	SLA580BC3T3F
	5mm	Green	Water Clear	523	3.5	30	4,500	20	16°	511-1516-ND‡	2.39	33.23	116.30	—	—	SLA580EC4T3F
	5mm	Green	Water Clear	518	3.8	20	8,000	20	12°	511-1369-ND‡	2.69	39.74	135.50	—	—	SLA580EC3T3F
	5mm	Red	Water Clear	660	1.75	50	470	20	10°	511-1196-ND‡	.90	13.16	39.65	—	—	SLA-580LT3F
	5mm	Green	Water Clear	563	2.2	25	470	20	10°	511-1197-ND‡	.72	8.81	26.53	—	—	SLA-580MT3F
	5mm	Red	Water Clear	630	1.9	50	5,000	20	10°	511-1221-ND‡	.89	10.84	32.65	—	—	SLI-580UT3F
	5mm	Orange	Water Clear	611	1.9	50	5,000	20	10°	511-1220-ND‡	.89	10.84	32.65	—	—	SLI-580DT3F
	5mm	Yellow	Water Clear	591	1.9	50	5,000	20	10°	511-1222-ND‡	.89	10.84	32.65	—	—	SLI-580YT3F
12	3.1mm	Red/Green	Milky White	650/563	2/2.1	20/25	6.3/10	10	60°	511-1334-ND‡	.89	10.83	35.24	—	—	SPR-39MWWF
13	5mm	Red/Green	Milky White	650/563	2/2.1	20/25	6.3/10	10	40°	511-1335-ND‡	.95	11.73	38.15	—	—	SPR-54MWWF
14	2.0 x 5.0mm	Orange	Diffused	610	2.0	20	1.0	10	130°	511-1605-ND‡	.67	8.26	24.87	—	—	SLB-25DU3F
	2.0 x 5.0mm	Green	Diffused	563	2.1	25	1.0	10	130°	511-1606-ND‡	.67	8.26	24.87	—	—	SLB-25MG3F
	2.0 x 5.0mm	Red	Diffused	650	2.0	20	1.0	10	130°	511-1607-ND‡	.67	8.26	24.87	—	—	SLB-25VR3F
15	3.0 x 2.0mm	Blue	Water Clear	428	3.8	20	9	20	110°	511-1328-1-ND	1.22	16.83	55.06	2,500	436.52/M	SML010BATT86
	3.0 x 2.0mm	Red	Water Clear	660	1.75	30	16	20	110°	511-1271-1-ND	.74	9.06	27.29	2,500	197.50/M	SML-010LTT86
	3.0 x 2.0mm	Red	Water Clear	650	2	30	6.3	20	110°	511-1274-1-ND	.71	8.57	25.83	2,500	186.28/M	SML-010VTT86
	3.0 x 2.0mm	Orange	Water Clear	610	2	25	10	20	110°	511-1269-1-ND	.72	8.79	26.47	2,500	191.89/M	SML-010DTT86
	3.0 x 2.0mm	Yellow	Water Clear	585	2.1	25	6.3	20	110°	511-1275-1-ND	.71	8.57	25.83	2,500	186.28/M	SML-010YTT86
	3.0 x 2.0mm	Green	Water Clear	570	2.2	25	25	20	110°	511-1272-1-ND	.71	8.57	25.83	2,500	186.28/M	SML-010MT86
	3.0 x 2.0mm	Green	Water Clear	560	2.2	25	10	20	110°	511-1270-1-ND	.85	10.46	31.49	2,500	227.80/M	SML-010FTT86
	3.0 x 2.0mm	Green	Water Clear	555	2.2	25	6.3	20	110°	511-1273-1-ND	.72	8.81	26.53	2,500	191.89/M	SML-010PTT86
	3.0 x 2.0mm	Blue	Water Clear	468	3.5	20	25	20	110°	511-1507-1-ND	2.50	31.40	112.98	2,500	856.21/M	SML012BC4TT86
	3.0 x 2.0mm	Green	Water Clear	523	3.5	20	90	20	110°	511-1330-1-ND	2.30	33.98	114.46	—	—	SML011EBTT86
	3.0 x 2.0mm	Green	Water Clear	528	3.5	20	90	20	110°	511-1508-1-ND	2.90	36.36	130.86	2,500	991.99/M	SML012EC4TT86
	3.0 x 2.0mm	Red	Water Clear	630	2	30	63	20	110°	511-1276-1-ND	.63	7.74	25.17	2,500	187.40/M	SML-011UTT86
	3.0 x 2.0mm	Red	Water Clear	630	2	30	100	20	110°	511-1278-1-ND	.68	8.39	27.29	2,500	203.12/M	SML-012UTT86
	3.0 x 2.0mm	Orange	Water Clear	611	2	30	100	20	110°	511-1277-1-ND	.64	7.90	25.70	2,500	191.89/M	SML-012DTT86
	3.0 x 2.0mm	Yellow	Water Clear	590	2	30	100	20	110°	511-1279-1-ND	.68	8.39	27.29	2,500	203.12/M	SML-012YTT86
3.0 x 2.0mm	White	White Diffused	—	3.2	20	900	20	120°	511-1603-1-ND	3.11	43.24	151.31	2,500	1210.82/M	SML013WBD1	
16	3.0 x 2.5mm	Red/Green	Water Clear	650/570	2/2.2	30/25	6.3/20	20	110°	511-1281-1-ND	.95	11.73	38.15	2,500	283.91/M	SML-020MVT86
	3.0 x 2.5mm	Red/Green	Water Clear	660/570	1.75/2.2	30/25	16/20	20	110°	511-1280-1-ND	.93	11.40	37.09	2,500	276.06/M	SML-020MLT86
	3.0 x 2.5mm	Yellow/Green	Water Clear	585/570	2.1/2.2	30/25	6.3/20	20	110°	511-1282-1-ND	.89	10.86	35.31	2,500	263.71/M	SML-020MYT86
	3.0 x 2.5mm	Orange/Green	Water Clear	610/555	2/2.2	30/25	10/4	20	110°	511-1283-1-ND	.64	7.90	25.70	2,500	191.89/M	SML-020PDT86
	3.0 x 2.5mm	Blue/Red	Transparent	—	3.2/2.0	30	140/220	20	120°	511-1613-1-ND	2.13	29.56	103.43	2,500	827.04/M	SML022BUTT86R
	0805	Bright Red	Water Clear	660	1.75	30	10	20	140°	511-1286-1-ND	.56	6.87	23.14	3,000	149.25/M	SML-210LTT86
0805	Red	Water Clear	650	2	25	4	20	140°	511-1289-1-ND	.64	6.43	21.64	3,000	140.27/M	SML-210VTT86	
0805	Orange	Water Clear	610	2	25	6.3	20	140°	511-1284-1-ND	.50	6.21	20.88	3,000	134.66/M	SML-210DTT86	
0805	Yellow	Water Clear	585	2.1	25	6.3	20	140°	511-1290-1-ND	.53	6.43	21.64	3,000	140.27/M	SML-210YTT86	
0805	Green	Water Clear	570	2.2	25	16	20	140°	511-1287-1-ND	.59	5.98	20.14	3,000	130.17/M	SML-210MT86	
17	0805	Green	Water Clear	560	2.2	25	4	20	140°	511-1285-1-ND	.53	6.43	21.64	3,000	140.27/M	SML-210FTT86
	0805	Green	Water Clear	555	2.2	25	4	20	140°	511-1288-1-ND	.53	6.43	21.64	3,000	140.27/M	SML-210PTT86
	0805	Red	Water Clear	630	1.8	10	2.5	2	140°	511-1292-1-ND	.82	9.96	30.03	3,000	216.58/M	SML-211UTT86
	0805	Orange	Water Clear	611	1.8	10	2.5	2	140°	511-1291-1-ND	.82	9.96	30.03	3,000	216.58/M	SML-211DTT86
	0805	Yellow	Water Clear	590	1.8	10	1.6	2	140°	511-1293-1-ND	.82	9.96	30.03	3,000	216.58/M	SML-211YTT86
	0805	Orange	Water Clear	611	2.05	30	63	20	140°	511-1294-1-ND	1.00	14.61	44.02	3,000	298.50/M	SML-212DTT86
	0805	Red	Water Clear	639	2.05	30	63	20	140°	511-1295-1-ND	1.00	14.61	44.02	3,000	298.50/M	SML-212VTT86
	0805	Yellow	Water Clear	591	2.05	30	63	20	140°	511-1296-1-ND	1.00	14.61	44.02	3,000	298.50/M	SML-212YTT86
	0603	Bright Red	Water Clear	660	1.75	25	10	20	140°	511-1298-1-ND	.57	5.80	19.51	3,000	125.69/M	SML-310LTT86
0603	Red	Water Clear	650	2	20	4	20	140°	511-1301-1-ND	.46	4.59	15.44	3,000	99.88/M	SML-310VTT86	
0603	Orange	Water Clear	610	2	20	6.3	20	140°	511-1297-1-ND	.43	4.34	14.63	3,000	94.26/M	SML-310DTT86	
0603	Yellow	Water Clear	585	2.1	20	6.3	20	140°	511-1302-1-ND	.43	4.34	14.63	3,000	94.26/M	SML-310YTT86	
0603	Green	Water Clear	570	2.2	20	16	20	140°	511-1299-1-ND	.50	5.88	17.08	3,000	116.71/M	SML-310MT86	

† For Tape and Reel part number, change 1-ND to 2-ND. ‡ Bulk § For Tape and Box part number, change 1-ND to 3-ND; Tape and Box pricing shown.

(Continued)

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