



Dimensions in mm

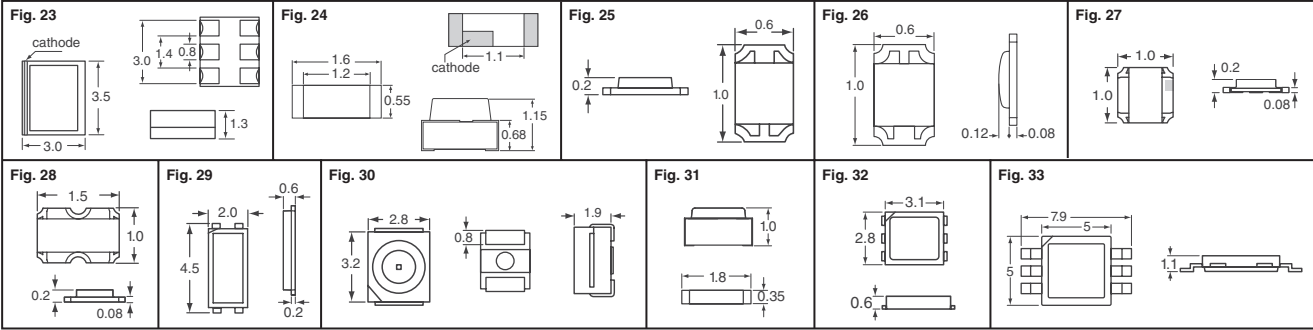


Fig.	Package Type	Emitted Color	Lens	Wavelength (nm)	Forward Voltage (Typ.) (V)	Forward Current (Typ.) (mA)	Luminous Intensity		View Angle	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel†		Rohm Part No.
							mcd	@ IF (mA)			1	25	100	Qty.	Pricing	
18A	0603	Green	Water Clear	555	2.2	20	4	20	140°	511-1300-1-ND	.31	3.20	10.77	3,000	69.40/M	SML-310PT86
	0603	Blue	Water Clear	428	3.8	20	3.6	20	140°	511-1331-1-ND	1.06	14.60	47.72	3,000	378.36/M	SML-310BATT86
	0603	Blue	Water Clear	468	3.5	20	14	20	140°	511-1509-1-ND	2.17	27.30	98.26	3,000	745.15/M	SML-312BC4TT86
	0603	Green	Water Clear	523	3.5	20	90	20	140°	511-1510-1-ND	2.52	31.65	113.88	3,000	863.28/M	SML-312EC4TT86
	0603	Yellow	Water Clear	590	1.8	10	1.6	2	140°	511-1305-1-ND	.40	4.98	15.00	3,000	108.22/M	SML-311YTT86
	0603	Red	Water Clear	630	1.8	10	2.5	2	140°	511-1304-1-ND	.45	5.43	16.36	3,000	118.14/M	SML-311UTT86
	0603	Orange	Water Clear	611	1.8	10	2.5	2	140°	511-1303-1-ND	.40	4.98	15.00	3,000	108.22/M	SML-311DTT86
	0603	Green	Water Clear	525	3.8	20	200	20	140°	511-1371-1-ND	2.10	31.01	105.74	3,000	850.13/M	SML-312ECT86
	0603	Blue	Water Clear	468	3.5	20	63	20	140°	511-1372-1-ND	1.99	29.35	100.08	3,000	804.68/M	SML-312BCT86
	0603	White	Water Clear	—	3.3	30	200	20	140°	511-1650-1-ND	1.50	18.36	62.25	3,000	462.62/M	SML-312WBCW15
18B	0603	Green	Milky White	570	2.2	20	16	20	140°	511-1308-1-ND	.27	3.21	9.33	3,000	63.61/M	SML-510MW786
	0603	Red	Water Clear	630	1.9	25	40	20	140°	511-1310-1-ND	.47	4.57	13.75	3,000	99.14/M	SML-511LW786
	0603	Orange	White Diffused	605	2.1	20	100	20	160°	511-1577-1-ND	.27	2.95	9.12	3,000	61.96/M	SML-D12D8WT86
	0603	Orange	White Diffused	611	1.9	25	40	20	140°	511-1309-1-ND	.37	4.57	13.75	3,000	99.14/M	SML-511DW786
	0603	Yellow	Water Clear	590	1.9	25	40	20	140°	511-1311-1-ND	.37	4.57	13.75	3,000	99.14/M	SML-511WW786
	0603	Green	White Diffused	560	2.2	20	6.3	20	160°	511-1579-1-ND	.27	2.95	9.12	3,000	61.96/M	SML-D12P8WT86
	0603	Green	White Diffused	570	2.1	25	40	20	140°	511-1313-1-ND	.31	4.57	13.75	3,000	93.35/M	SML-512MW786
	0603	Yellow/Green	White Diffused	572	2.2	20	25	20	160°	511-1578-1-ND	.27	2.95	9.12	3,000	61.96/M	SML-D12M8WT86
	0603	Red	White Diffused	620	2.0	20	63	20	160°	511-1580-1-ND	.27	2.95	9.12	3,000	61.96/M	SML-D12U8WT86
	0603	Red	White Diffused	630	2.0	20	40	20	160°	511-1581-1-ND	.26	2.80	8.67	3,000	58.66/M	SML-D12V8WT86
18C	0603	Red	Water Clear	630	2.0	30	63	20	140°	511-1314-1-ND	.44	6.34	19.10	3,000	129.70/M	SML-512UW786
	0603	Orange	Water Clear	611	2	30	63	20	140°	511-1312-1-ND	.44	6.34	19.10	3,000	129.70/M	SML-512DW786
	0603	Yellow	White Diffused	590	2.1	20	63	20	160°	511-1582-1-ND	.27	2.95	9.12	3,000	61.96/M	SML-D12Y8WT86
	0603	Yellow	Water Clear	590	2	30	63	20	140°	511-1315-1-ND	.44	5.34	16.09	3,000	116.48/M	SML-512VW786
	0603	Orange	White Diffused	605	2.2	20	100	20	160°	511-1583-1-ND	.30	3.27	10.12	5,000	67.74/M	SML-E12D8WT86
	0603	Yellow/Green	White Diffused	572	2.2	20	25	20	160°	511-1584-1-ND	.30	3.27	10.12	5,000	67.74/M	SML-E12M8WT86
	0603	Green	White Diffused	560	2.2	20	6.3	20	160°	511-1585-1-ND	.31	3.35	10.27	5,000	69.40/M	SML-E12P8WT86
	0603	Red	White Diffused	620	2.2	20	63	20	160°	511-1586-1-ND	.31	3.35	10.27	5,000	69.40/M	SML-E12U8WT86
	0603	Red	White Diffused	630	2.2	20	40	20	160°	511-1587-1-ND	.31	3.35	10.27	5,000	69.40/M	SML-E12V8WT86
	0603	Yellow	White Diffused	590	2.2	20	63	20	160°	511-1588-1-ND	.31	3.35	10.27	5,000	69.40/M	SML-E12Y8WT86
19	0603	Green	White Diffused	570	2.2	25	16	20	150°	511-1306-1-ND	.26	2.64	8.87	5,000	57.00/M	SML-410MW786
	0603	Green	Diffused	570	2.1	25	40	20	150°	511-1307-1-ND	.34	4.13	12.45	—	—	—
21	3 x 2mm	Green	Water Clear	525	3.8	20	360	20	110°	511-1373-1-ND	2.09	30.86	105.24	2,500	846.12/M	SML012ECT86
	1.3 x 1.5mm	Red/Green	Milky White	630/570	1.9/2.2	20/25	40/16	20	150°	511-1317-1-ND	.83	10.19	33.16	4,000	236.27/M	SML-521MUW786
	1.3 x 1.5mm	Orange	Milky White	611/570	1.9/2.2	20/25	40/16	20	150°	511-1316-1-ND	.74	9.18	29.84	4,000	213.14/M	SML-521MDW786
22	3.4 x 1.25mm Reverse Mt.	Green	Water Clear	570	2.2	25	16	20	140°	511-1319-1-ND	.44	5.34	16.09	3,000	116.48/M	SML-810MTT86
	3.4 x 1.25mm Reverse Mt.	Red	Water Clear	630	1.95	25	22.4	10	140°	511-1321-1-ND	.42	6.20	18.67	3,000	126.40/M	SML-811UTT86
	3.4 x 1.25mm Reverse Mt.	Orange	Water Clear	611	1.95	25	22.4	10	140°	511-1320-1-ND	.41	5.99	18.03	3,000	122.27/M	SML-811DTT86
	3.4 x 1.25mm Reverse Mt.	Yellow	Water Clear	590	1.95	25	18	10	140°	511-1322-1-ND	.41	5.99	18.03	3,000	126.40/M	SML-811YTT86
	3.4 x 1.25mm Reverse Mt.	Blue	Water Clear	468	3.3	20	56	20	140°	511-1627-1-ND	1.44	20.10	68.91	3,000	536.14/M	SML812BCT86
	3.4 x 1.25mm Reverse Mt.	Green	Clear	570	2.1	25	40	20	140°	511-1323-1-ND	.60	7.38	23.99	3,000	178.44/M	SML-812MTT86
	3.4 x 1.25mm Reverse Mt.	Blue/Green/Red	Water Clear	470/530/630	3.2/3.3/2.2	20/20/30	125/500/350	20	120°	511-1608-1-ND	2.99	46.14	162.59	2,000	1371.33/M	SML032FG81T1
24	1.6 x 1.15mm	Orange	Water Clear	611	1.9	25	63	20	130°	511-1324-1-ND	.45	5.49	16.52	—	—	—
	1.6 x 1.15mm	Green	Water Clear	570	2.1	25	40	20	130°	511-1325-1-ND	.50	6.04	18.17	3,000	123.09/M	SML-A12MTT86
	1.6 x 1.15mm	Red	Water Clear	630	1.9	25	63	20	130°	511-1326-1-ND	.48	5.84	17.60	3,000	118.96/M	SML-A12UTT86
	1.6 x 1.15mm	Yellow	Water Clear	590	1.9	25	63	20	130°	511-1327-1-ND	.50	6.04	18.17	3,000	123.09/M	SML-A12WTT86
	1.6 x 1.15mm	White	Water Clear	—	2.9	20	56	5	140°	511-1632-1-ND	1.74	22.06	71.69	3,000	532.84/M	SMLA12WBC7W1A
	1.6 x 1.15mm	Blue	Transparent	470	3.2	20	140	20	140°	511-1614-1-ND	1.19	15.96	54.72	3,000	425.44/M	SMLA13BDT86
	1.6 x 1.15mm	White	Water Clear	—	3.1	20	170	10	150°	511-1633-1-ND	2.37	29.66	100.18	3,000	764.15/M	SMLA13WB0W11
25	0402	Orange	Transparent	605	1.8	20	7.3	1	140°	511-1651-1-ND	.36	4.25	13.37	10,000	89.22/M	SML-P11DTT86
	0402	Green	Transparent	569	1.9	20	2.1	1	140°	511-1652-1-ND	.39	4.57	14.36	10,000	95.83/M	SML-P11MTT86
	0402	Red	Transparent	621	1.8	20	5.5	1	140°	511-1653-1-ND	.36	4.25	13.37	10,000	89.22/M	SML-P11UTT86
	0402	Red	Transparent	626	1.8	20	3.6	1	140°	511-1654-1-ND	.36	4.25	13.37	10,000	89.22/M	SML-P11VTT86
	0402	Yellow	Transparent	586	1.9	20	7.6	1	140°	511-1655-1-ND	.39	4.57	14.36	10,000	95.83/M	SML-P11YTT86
	0402	Orange	Water Clear	605	2.1	20	100	20	140°	511-1590-1-ND	.32	3.73	11.71	10,000	76.83/M	SML-P12DTT86
	0402	Yellow/Green	Water Clear	572	2.2	20	35	20	140°	511-1591-1-ND	.32	3.73	11.71	10,000	76.83/M	SML-P12MTT86
26	0402	Green	Water Clear	560	2.2	20	13	20	140°	511-1592-1-ND	.32	3.73	11.71	10,000	76.83/M	SML-P12PTT86
	0402	Red	Water Clear	620	2.0	20	85	20	140°	511-1593-1-ND	.32	3.73	11.71	10,000	76.83/M	SML-P12UTT86
	0402	Red	Water Clear	630	2.0	20	60	20	140°	511-1594-1-ND	.32	3.73	11.71	10,000	76.83/M	SML-P12VTT86
	0402	Yellow	Water Clear	590	2.1	20	130	20	140°	511-1595-1-ND	.31	3.53	11.08	10,000	72.70/M	SML-P12YTT86
	0402	Blue	Transparent	465	2.9	20	17	5	140°	511-1615-1-ND	.75	9.06	30.21	10,000	211.49/M	SMLP12BCT7T86
	0402	White	Transparent	490	2.9	20	71	5	145°	511-1616-1-ND	1.66	19.95	66.50	10,000	465.92/M	SMLP12WBC7W1
	0402	Blue/Green/Red	Milky White	470/527/624	3.2/3.3/2.2	20	50/200/100	20	120°	511-1624-1-ND	2.83	30.92	95.76	5,000	638.58/M	SMLP34R8B1W3
27	0604	Blue/Green/Red	Milky White	470/527/624	3.2/3.3/2.2	20	50/200/100	20	120°	511-1625-1-ND	3.36	36.74	113.77	5,000	758.36/M	SMLP36R8B1W3
	1808	White	Water Clear	—	3.8	180	6.4	100	120°	511-1634-1-ND	3.30	51.30	185.82	4,000	1852.95/M	SMLK15WBCFPW1P
30	2.8 x 3.2mm	Orange	Clear	605	2.2	70	710	50	120°	511-1643-1-ND	.55	6.77	21.66	2,000	167.70/M	SML-214DTT86A
	2.8 x 3.2mm	Yellow/Green	Clear	572	2.2	70	280	50	120°	511-1644-1-ND	.55	6.77	21.66	2,000	167.70/M	