

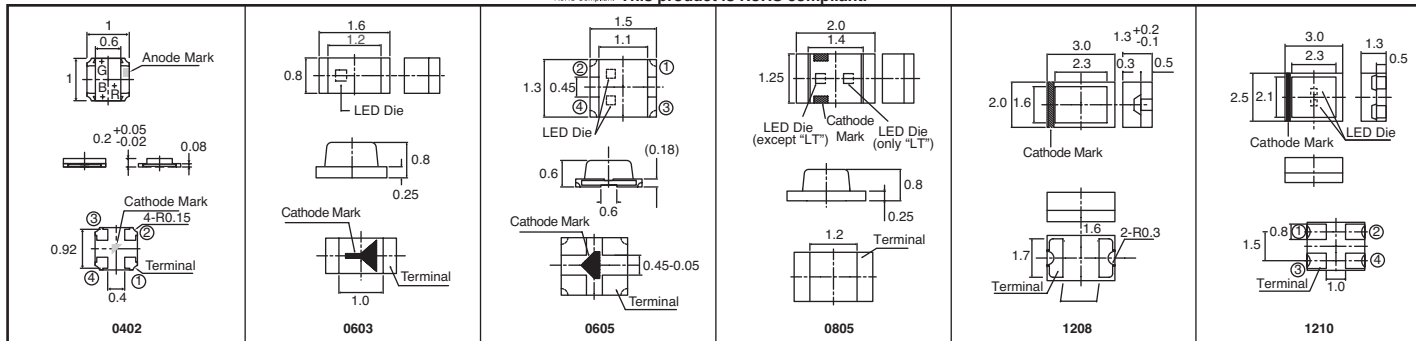
# ROHM SEMICONDUCTOR SMT LEDs

# ROHM SEMICONDUCTOR

Illumination

ROHM Semiconductor

RoHS Compliant This product is RoHS compliant.



DIMENSIONS: mm

## ROHM RGB LEDs

ROHM has developed the series of ultra-compact 3-color LEDs for customers seeking to minimize size and energy consumption while wanting to differentiate their products in an industry increasingly focused on the visual appearance rather than functionality. Two package configurations are available: the industry's smallest, thinnest top view type (4-pin: 1.0x1.0x0.2mm, 6-pin: 1.5x1.0x0.2mm) and the thinnest side view type in the industry (0.5mm thick). PICOLED™-RGB [picoled-RGB] LEDs provide the ideal solution for sets requiring full-color capability in the smallest form factor possible such as color indicator displays in mobile phones, illumination lighting for handheld gaming devices, and compact, full-color dot matrix displays.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Color	Wavelength (nm)	LV Min (mcd)	Price Each			
Mfr.	Mfr. Part No.					1	25	100	500
755	SMLP34RGB1W3	0404	RGB	470/527/624	18/71/28	1.42	1.13	.966	.828
755	SMLP36RGB1W3	0604	RGB	470/527/624	18/71/28	1.42	1.13	.966	.828
755	SML032RGB1T1	PLCC-6	RGB	470/530/630	125/500/350	3.45	2.12	1.87	1.66

## ROHM PICOLED™ LEDs (0402)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Color	Wavelength (nm)	LV Min (mcd)	Price Each			
Mfr.	Mfr. Part No.				1	25	100	500
755	SML-P11DTT86	Orange	605	2.5	.51	.37	.257	.16
755	SML-P11UTT86	Red	621	1.6	.51	.37	.257	.16
755	SML-P11VTT86	Red	626	1	.51	.37	.257	.16
755	SMLP12BC7T86	Blue	465	5.6	.56	.33	.276	.224
755	SML-P12DTT86	Orange	605	40	.25	.17	.134	.109
755	SML-P12MTT86	Yellow-Grn	572	10	.25	.17	.134	.109
755	SML-P12PTT86	Green	560	4	.25	.17	.13	.109
755	SML-P12UTT86	Red	620	25	.25	.17	.134	.109
755	SML-P12VTT86	Red	630	25	.25	.17	.134	.109
755	SMLP12WBC7W1	White	-	71	.56	.33	.276	.224
755	SML-P12YTT86	Yellow	590	40	.25	.17	.134	.109

## ROHM 0603 LEDs

For quantities of 1000 and up, call for quote.

755	SML310BATT86	Blue	428	1.4	1.21	.65	.532	.471
755	SML-310DTT86	Orange	610	2.2	.30	.12	.099	.072
755	SML-310LT86	Red	660	3.6	.30	.12	.099	.072
755	SML-310MT86	Green	570	3.6	.23	.10	.076	.062
755	SML-310PTT86	Pure Green	555	1.4	.30	.12	.099	.072
755	SML-310VTT86	Red	650	1.4	.30	.12	.099	.072
755	SML-310YTT86	Yellow	585	2.2	.30	.12	.099	.072
755	SML-311DTT86	Orange	611	0.9	.37	.18	.132	.108
755	SML-311UTT86	Red	630	0.9	.37	.18	.132	.108
755	SML-311YTT86	Yellow	590	0.9	.37	.18	.132	.108
755	SML312BCTT86	Blue	468	63	2.28	1.31	1.12	1.02
755	SML312ECTT86	Green	518	90	2.28	1.31	1.12	1.02
755	SML-412MWT86	Green	570	14	.41	.20	.147	.12
755	SML-510MWT86	Green	570	3.6	.22	.10	.074	.06
755	SML-511UWT86	Red	630	14	.41	.20	.147	.12
755	SML-511WWT86	Yellow	590	22	.41	.20	.147	.12
755	SML512BC4T86	Blue	468	5.6	1.22	.99	.798	.562
755	SML512BC5T86	Blue	468	16	.95	.46	.371	.273
755	SML-512MWT86	Green	570	14	.50	.28	.213	.174
755	SML-512PWT86A	Green	563	5.6	.52	.39	.281	.182
755	SML-512UWT86	Red	630	22	.50	.28	.213	.174
755	SML-512VWT86A	Red	639	35.5	.52	.39	.281	.182
755	SML-512WWT86	Yellow	590	36	.50	.24	.18	.147
755	SML-D12M8WT86	Yellow-Grn	572	10	.30	.13	.10	.081
755	SML-D12U8WT86	Red	620	6.3	.30	.13	.10	.081
755	SML-D12V8WT86	Red	630	40	.30	.13	.10	.081
755	SML-D12Y8WT86	Yellow	590	25	.30	.13	.10	.081
755	SML E12BC7T86	Blue	468	9	.45	.36	.27	.186
755	SML E12EC6TT86	Blue-Green	527	85	.96	.72	.621	.45
755	SML E12WBC7W1	White	-	71	.52	.39	.30	.19
755	SML E12WBC7W5	White	-	71	.75	.63	.50	.35
755	SML-E12U8WT86	Red	620	25	.34	.15	.113	.094
755	SML-E12UWT86	Red	624	36	.25	.18	.137	.109
755	SML-E12V8WT86	Red	630	16	.34	.15	.113	.094

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## ROHM ULTRA-COMPACT SURFACE MOUNT REMOTE CONTROL PHOTORECEIVER MODULE

ROHM's RPMS2401-H19 photoreceiver, utilizing original miniaturization technology, features the smallest mounting area in the world. In addition, the S/N ratio in broad daylight is significantly improved due to ROHM's unique optical technology.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Supply Voltage (max)(V)	Output Current (mA)	Consump. Current (Typ.)(mA)	Center Freq. (Typ.)(kHz)	Price Each			
Mfr.	Mfr. Part No.					1	10	100	500
755	RPMS1371-H19E4A	6.3	2	300µ	36.7	1.30	1.01	.761	.702
755	RPMS1381-H19E4A	6.3	2	300µ	37.9	1.30	1.01	.761	.702
755	RPMS1401-H19E4A	6.3	2	300µ	40	1.30	1.01	.761	.702
755	RPMS2381-H19E4A	6.3	2	0.95	37.9	1.30	1.01	.761	.702
755	RPMS2401-H19E4A	6.3	2	0.95	40	1.30	1.01	.761	.702

## ROHM 0605 LEDs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Color	Wavelength (nm)	LV Min (mcd)	Price Each			
Mfr.	Mfr. Part No.				1	25	100	500
755	SML-521MUWT86	Green/Red	570/630	5.6/22	.95	.46	.371	.312
755	SML-522MUWT86	Green/Red	630/570	14/22	.95	.46	.371	.273
755	SML-A12D8TT86	Orange	605	100	.51	.37	.257	.138
755	SML-A12M8TT86	Yellow/Grn	572	25	.51	.37	.257	.138
755	SML-A12MT86	Green	570	14	.54	.26	.195	.159
755	SML-A12P8TT86	Green	560	6.3	.51	.37	.257	.138
755	SML-A12U8TT86	Red	520	63	.51	.37	.257	.138
755	SML-A12V8TT86	Red	630	36	.54	.26	.195	.159
755	SML-A12W8TT86	Red	530	40	.51	.37	.257	.138
755	SML-A12WTT86	Yellow	590	36	.54	.26	.195	.159
755	SMLA12WBC7W1A	White	-	56	.73	.56	.427	.237
755	SML-A12Y8TT86	Yellow	590	63	.51	.37	.257	.138
755	SMLA13WBWDW1	White	-	170	1.89	1.05	.922	.704

## ROHM 0805 LEDs

For quantities of 1000 and up, call for quote.

755	SML-210DTT86	Orange	610	2.2	.30	.14	.122	.089
755	SML-210FTT86	Green	560	1.4	.30	.14	.122	.089
755	SML-210LT86	Red	660	3.6	.30	.14	.122	.089
755	SML-210MT86	Green	570	3.6	.31	.12	.102	.075
755	SML-210PTT86	Pure Green	555	1.4	.30	.14	.122	.089
755	SML-210VTT86	Red	650	1.4	.31	.12	.102	.075
755	SML-210YTT86	Yellow	585	2.2	.30	.14	.122	.089
755	SML-211DTT86	Orange	611	0.9	.46	.22	.165	.135
755	SML-211UTT86	Red	630	0.9	.46	.22	.165	.135
755	SML-211YTT86	Yellow	590	1.4	.46	.22	.165	.135
755	SML-212U2TT86A	Red	625	71	.46	.22	.165	.135

## ROHM 1208 LEDs

For quantities of 1000 and up, call for quote.

755	SML-010LT86	Red	660	5.6	.38	.18	.137	.112
755	SML-010MT86	Green	570	5.6	.31	.15	.111	.091
755	SML-010VTT86	Red	650	2.2	.37	.18	.132	.108
755	SML-010YTT86	Yellow	585	2.2	.37	.18	.132	.108
755	SML012BCTT86	Blue	468	36	1.89	1.05	.912	.814
755	SML-012D8TT86	Orange	605	63	.34	.28	.178	.114
755	SML-012DTT86	Orange	611	36	.57	.27	.223	.188
755	SML012ECTT86	Green	518	140	2.40	1.38	1.18	1.08
755	SML-012M8TT86	Green	572	10	.34	.28	.178	.114
755	SML-012U8TT86	Red	620	40	.34	.28	.178	.114
755	SML-012VTT86	Red	630	36	.57	.27	.223	.188
755	SML-012W8TT86	Red	630	25	.34	.28	.178	.114
755	SML-012Y8TT86	Yellow	590	63	.34	.28	.178	.114
755	SML013BDTT86	Blue	470	250	1.26	.92	.805	.56
755	SML-013UTT86	Red	620	220	.57	.27	.223	.188
755	SML013WBWDW1	White	-	900	1.38	.98	.865	.65

## ROHM 1210 LEDs

For quantities of 1000 and up, call for quote.

755	SML-020MLTT86	Green/Red	660	9	.53	.25	.207	.174
755	SML-020MVT86	Red/Green	650/570	3.6/9	.53	.25	.207	.174
755	SML022BUTT86	Blue/Red	470/624	56/90	1.26	.92	.805	.59

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