



Surface Mount Light Emitting Diodes (LEDs) - continued

Surface Mount — 0805 Chip LEDs - continued

Colours	Order Code	Price Each				
		5+	25+	100+	250+	+
Superbright, Untinted Clear Lens						
Orange	SMD 359-9700 †	15.00	13.00	11.00	10.00	--
Red	SMD 359-9711 †	29.00	24.00	22.00	16.00	--
Yellow	SMD 359-9723 ‡	15.00	13.00	11.00	8.00	--
Orange	SMD 102-1306 ●	15.00	13.00	11.00	10.00	--
Red	SMD 102-1307 ●	29.00	24.00	22.00	16.00	--
Yellow	SMD 102-1309 ●	15.00	13.00	11.00	8.00	--

Surface Mount — 1206 Chip LED



L=3.2, W=1.6, D=1.1



Colour	View angle	Luminous Intensity (mcd) min. @ 20mA	Luminous Intensity (mcd) typ. @ 20mA	If (mA) max	PIV max	Mfrs. List No.	Order Code
Untinted Clear Lens							
Red	140°	3.6	6	30	5V	QTLP650C-2	102-1311
Yellow	140°	3.6	6	30	5V	QTLP650C-3	102-1313
Green	140°	6	10	30	5V	QTLP650C-4	102-1315
Red	140°	9	15	30	5V	QTLP650C-7	102-1316
Untinted Diffused Lens							
Red	160°	2.4	4	30	5	QTLP650D-2	102-1323
Yellow	160°	2.4	4	20	5	QTLP650D-3	102-1324
Green	160°	4	6.5	30	5	QTLP650D-4	102-1325
Bicolour, Untinted Clear Lens							
Red and Yellow	140°	2.5/	4/	30/	5	QTLP650C-23	102-1312
Green and Yellow	140°	6.5/4	6.5/6.5	20/30	5	QTLP650C-34	102-1314
Red and Green	140°	9/4	15/6.5	30/30	5	QTLP650C-74	102-1317
Superbright, Untinted Clear Lens							
Blue	140°	20	30	30	5	QTLP650C-B	102-1318
Orange	140°	15	30	30	5	QTLP650C-E	102-1319
Red	140°	15	30	30	5	QTLP650C-R	102-1320
Yellow	140°	15	35	20	5	QTLP650C-Y	102-1322

228642

Colours	Order Code	Price Each				
		5+	25+	100+	250+	+
Untinted Clear Lens						
Red	SMD 102-1311 ●	11.00	10.00	9.00	6.00	--
Yellow	SMD 102-1313 ●	10.00	9.00	8.00	6.00	--
Green	SMD 102-1315 ●	10.00	9.00	8.00	6.00	--
Red	SMD 102-1316 ●	10.00	8.00	8.00	6.00	--
Untinted Diffused Lens						
Red	SMD 102-1323 ●	10.00	8.00	8.00	6.00	--
Yellow	SMD 102-1324 ●	9.00	8.00	7.00	6.00	--
Green	SMD 102-1325 ●	9.00	8.00	7.00	6.00	--
Bicolour, Untinted Diffused Lens						
Red and Yellow	SMD 102-1312 ●	17.00	15.00	13.00	12.00	--
Green and Yellow	SMD 102-1314 ●	17.00	15.00	13.00	11.00	--
Red and Green	102-1317 ●	25.00	22.00	20.00	16.00	--
Superbright, Untinted Clear Lens						
Blue	SMD 102-1318 ●	212.00	182.00	148.00	106.00	--
Superbright, Untinted Clear Lens						
Orange	SMD 102-1319 ●	32.00	28.00	24.00	18.00	--
Red	SMD 102-1320 ●	29.00	24.00	22.00	16.00	--
Yellow	SMD 102-1322 ●	25.00	24.00	20.00	14.00	--

Surface Mount - PLCC-2 High brightness



A range of high brightness, high reliability SMT LEDs in the industry standard PLCC-2 package. The Agilent range features SMT package enhancements over conventional PLCC-2 devices with availability in a broad range of colours and dice technologies including AlInGaP, InGaN and TS AlInGaP.

Colour	View Angle	Lum Intensity (mcd) @ If=10mA		If (mA) (max)	PIV (max)	Mfrs. List No.	Order Code
		min.	typ.				
Untinted Clear Lens							
Red	120°	4	15	30	5	HSMs-A100-J00J1	413-4321
Red	120°	10	50	30	5	HSMH-A100-L00J1	413-4333
Red	120°	63	100	30	5	HSMC-A100-Q00J1	413-4345
Red	120°	100	400	30	5	HSMZ-A100-R00J1	413-4357
Red/Orange	120°	63	200	30	5	HSMJ-A100-Q00J1	413-4369
Red/Orange	120°	100	350	30	5	HSMV-A100-R00J1	413-4370
Orange	120°	4	15	30	5	HSMd-A100-J00J1	413-4382
Orange	120°	63	160	30	5	HSMl-A100-Q00J1	413-4394
Amber	120°	100	270	30	5	HSMU-A100-R00J1	413-4400
Amber	120°	4	15	30	5	HSMY-A100-J00J1	413-4412
Yellow	120°	4	18	30	5	HSMG-A100-J02J1	413-4424
Emerald Green	120°	2.5	8	30	5	HSMG-A100-H01J1	413-4436
Green	120°	160	280	30	5	HSMm-A100-S00J1	413-4448
Green	120°	100	200	30	5	HSMm-A101-R00J1	413-4450
Cyan	120°	160	280	30	5	HSMK-A100-S00J1	413-4461
Cyan	120°	100	170	30	5	HSMK-A101-R00J1	413-4473
Blue	120°	4	15	30	5	HSMB-A100-J00J1	413-4485
Blue	120°	40	70	30	5	HSMN-A100-P00J1	413-4497
Blue	120°	25	50	30	5	HSMN-A101-N00J1	413-4503

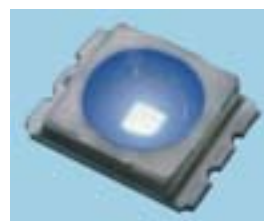
240615.343649

Colour	Order Code	Price Each				
		5+	10+	100+	500+	+
Untinted Clear Lens						
Red	SMD 413-4321 ●	13.00	7.00	5.00	4.00	--
Red	SMD 413-4333 ●	16.00	9.00	6.00	4.00	--
Red	SMD 413-4345 ●	16.00	9.00	6.00	4.00	--
Red	SMD 413-4357 ●	36.00	21.00	14.00	12.00	--
Red/Orange	SMD 413-4369 ●	16.00	9.00	6.00	4.00	--
Red/Orange	SMD 413-4370 ●	36.00	21.00	14.00	11.00	--
Orange	SMD 413-4382 ●	16.00	9.00	6.00	4.00	--
Orange	SMD 413-4394 ●	16.00	9.00	6.00	4.00	--
Amber	SMD 413-4400 ●	36.00	21.00	14.00	11.00	--
Amber	SMD 413-4412 ●	18.00	10.00	6.00	5.00	--
Yellow	SMD 413-4424 ●	13.00	7.00	5.00	4.00	--
Emerald Green	SMD 413-4436 ●	20.00	12.00	7.00	6.00	--
Green	SMD 413-4448 ●	90.00	54.00	37.00	31.00	--
Green	SMD 413-4450 ●	78.00	47.00	32.00	25.00	--
Cyan	SMD 413-4461 ●	86.00	55.00	40.00	35.00	--
Cyan	SMD 413-4473 ●	81.00	48.00	34.00	28.00	--
Blue	SMD 413-4485 ●	46.00	27.00	19.00	15.00	--
Blue	SMD 413-4497 ●	75.00	45.00	31.00	26.00	--
Blue	SMD 413-4503 ●	51.00	30.00	22.00	17.00	--

Power LED's

1 Watt surface Mount LEDs

X-Lamp Series



H=4, W=7, D=9mm



Features include:

- High power LED emitter
- Wide range of colours including white
- Integrated Lambertian pattern lens
- Suitable for infrared reflow
- Class II ESD rating

Applications include:

- Reading lamps
- Backlighting
- Automotive lighting
- Signalling
- Advertising signs
- Architectural lighting

Mfrs. List No.	Colour	Wavelength Dominant (min) (max)	Luminous flux (lm)	Forward voltage (Vf)	Viewing angle (Deg.)
FEL-SM1WBWC	Blue		4	100	
FEL-SM1WCWC	Cyan		4	100	
FEL-SM1WGWC	Green		4	100	
FEL-SM1WYWC	Yellow		3	100	
FEL-SM1WRWC	Red		3	100	
FEL-SM1WWWWC	White		4	100	

383807

Mfrs. List No.	Order Code	Price Each				
		1+	10+	25+	50+	+
FEL-SM1WBWC	SMD 873-9021 ●	823.00	731.00	671.00	611.00	--
FEL-SM1WCWC	SMD 873-9030 ●	906.00	805.00	738.00	671.00	--
FEL-SM1WGWC	SMD 873-9048 ●	906.00	805.00	738.00	671.00	--
FEL-SM1WYWC	SMD 873-9056 ●	611.00	544.00	499.00	453.00	--
FEL-SM1WRWC	SMD 873-9064 ●	611.00	544.00	499.00	453.00	--
FEL-SM1WWWWC	SMD 873-9072 ●	823.00	731.00	671.00	611.00	--