

Agilent Technologies Light Emitting Diodes (LEDs) - continued

5mm LED's Precision Optical Performance (POP) - continued

Including High Brightness White, Blue and Green - continued

Green Untinted Clear Lens	Order Code	Price Each				
		5+	10+	100+	500+	+
Green HLMP-CM16	100-3178	78.00	48.00	36.00	29.00	--
Green HLMP-CM30-M0000	100-3159	75.00	46.00	33.00	28.00	--
Green HLMP-CM31-M00DD	100-3179	75.00	46.00	33.00	28.00	--
Green HLMP-CM11-Y2000	857-6947	76.00	46.00	34.00	28.00	--
Green HLMP-CM12-Y2000	857-6955	76.00	46.00	34.00	29.00	--
Green HLMP-CM15-VY000..	857-6963	46.00	42.00	37.00	35.00	--
Green HLMP-CM15-W0000	857-6971	49.00	44.00	40.00	37.00	--
Green HLMP-CM15-WXB00	857-6980	45.00	41.00	37.00	35.00	--
Green HLMP-CM30-RSB00	857-7013	46.00	42.00	37.00	35.00	--
Green HLMP-CM30-S0000..	857-7021	45.00	41.00	37.00	34.00	--
Green HLMP-CM30-TUB00	857-7030	50.00	46.00	41.00	38.00	--
Green HLMP-CM30-TW000	857-7048	41.00	38.00	34.00	32.00	--
Green HLMP-CM30-TWA00	857-7056	49.00	44.00	40.00	37.00	--
Green HLMP-CM30-UVA00	857-7064	50.00	46.00	41.00	38.00	--

4mm Oval 60° x 120° Tinted Clear Lens		Price Each				
Red	Order Code	5+	10+	100+	500+	+
Red HLMP-RD11-LP000	100-3333	58.00	33.00	23.00	18.00	--
Amber HLMP-RL11-LP000	100-3334	58.00	33.00	23.00	18.00	--
Blue HLMP-RB11-H0000	100-3335	192.00	116.00	85.00	70.00	--
Green HLMP-RM11-H0000	100-3336	117.00	71.00	52.00	43.00	--

Oval 70° x 35° Untinted Clear Lens		Price Each				
Red	Order Code	5+	10+	100+	500+	+
Red HLMP-BD06-P0000	100-3183	48.00	26.00	18.00	14.00	--
Red HLMP-BD16-P0000	100-3164	48.00	26.00	18.00	14.00	--
Amber HLMP-BL06-N0000	100-3182	28.00	18.00	16.00	14.00	--
Amber HLMP-BL16-N0000	100-3163	48.00	26.00	18.00	14.00	--

Oval 120° x 60° Tinted Clear Lens		Price Each				
Amber	Order Code	5+	10+	100+	500+	+
Amber HLMP-SL11-H0000	301-5350	48.00	30.00	23.00	18.00	--
Amber HLMP-BL06-N0000..	302-7831	28.00	18.00	16.00	14.00	--

5mm Light Emitting Diodes (LEDs)

5mm/T1 3/4, Standard



L=9.19, Dia.=5.08
Lead pitch=2.54, Leads=25 x 0.64sq
Cathode identified by flat on body and shorter lead.
LEDs have no stand-offs, except 322-763 and 322-775



Colour	View Angle	Typ Lum Intensity (mcd)	I _f (mA) (max)	PIV (max)	Mfrs. List No.	Order Code
Wide Angle Tinted Diffused Lens						
HE Red	60°	5.4 @ 10mA	25	5	HLMP-3301	100-3211
HE Red	60°	12 @ 10mA	25	5	HLMP-3762	100-3376
Orange	60°	7 @ 10mA	25	5	HLMP-D401	100-3212
Yellow	60°	8 @ 10mA	20	5	HLMP-3401	100-3213
Green	60°	5.2 @ 10mA	30	5	HLMP-3507	100-3214
Narrow Angle Tinted Clear Lens						
HE Red	35°	60 @ 10mA	20	5	HLMP-3316	100-3216
Yellow	35°	50 @ 10mA	20	5	HLMP-3416	100-3217
Green	24°	70 @ 20mA	30	5	HLMP-3519	100-3218

FOR SUITABLE MOUNTING CLIP AND RING SEE ORDER CODE 110-5125

221720

Colour	Order Code	5+	10+	100+	500+	+
HE Red	322-635	14.00	9.00	7.00	6.00	--
HE Red	100-3211	14.00	9.00	7.00	6.00	--
HE Red	595-524	26.00	17.00	15.00	13.00	--
HE Red	100-3376	26.00	17.00	15.00	14.00	--
Red	NEW 857-6459	8.00	8.00	7.00	6.00	--
Orange	322-659	14.00	9.00	7.00	6.00	--
Orange	100-3212	14.00	9.00	7.00	6.00	--
Yellow	322-672	12.00	7.00	6.00	5.00	--
Yellow	100-3213	12.00	7.00	6.00	5.00	--
Yellow	NEW 857-6491	18.00	16.00	14.00	13.00	--
Green	322-696	12.00	7.00	6.00	5.00	--
Green	100-3214	12.00	7.00	6.00	5.00	--
Green	NEW 655-1403	16.00	15.00	13.00	12.00	--
HE Red	322-714	14.00	9.00	7.00	6.00	--
HE Red	100-3216	14.00	9.00	7.00	6.00	--
Yellow	322-726	14.00	9.00	7.00	6.00	--
Yellow	100-3217	14.00	9.00	7.00	6.00	--
Green	322-740	14.00	9.00	7.00	6.00	--
Green	100-3218	14.00	9.00	7.00	6.00	--

5mm/T1 3/4, Standard



L=8.7, Dia=5.0
Lead pitch=2.54, Leads=17.8 x 0.64sq
Recommended lead holes=0.8 dia
Cathode identified by 'flat' on body, except bright red - anode.
LEDs have stand-offs.

LED TECHNOLOGY

Colour	View Angle	Typ Lum Intensity (mcd)	I _f (mA) (max)	PIV (max)	Peak Wavelength	Mfrs. List No.	Order Code
Tinted Diffused Lens							
Green	68°	3.7 @ 10mA	30	5	567nm	L02R5000E1.	178-310
Yellow	68°	3.1 @ 10mA	30	5	585nm	L03R5000E1.	178-311
HE Red	68°	4.3 @ 10mA	30	5	635nm	L4RR5000E1.	178-312
Orange	68°	4.3 @ 10mA	30	5	635nm	L08R5000E1.	178-313
Ultra Bright Red	68°	32 @ 10mA	25	3	660nm	L07R5000E1.	178-314

FOR SUITABLE MOUNTING CLIP AND RING SEE ORDER CODE 558-412

221667

Colour	Order Code	10+	100+	1K+	5K+	+	+
Green	178-310	23.00	17.00	13.00	8.00	--	--
Yellow	178-311	28.00	19.00	15.00	10.00	--	--
HE Red	178-312	14.00	12.00	10.00	9.00	--	--
Orange	178-313	24.00	18.00	10.00	8.00	--	--
Ultra Bright Red	178-314	61.00	49.00	24.00	22.00	--	--

White - High Intensity



5mm - With Standoff



Power Dissipation 120mW
DC Forward Current 30mA
Reverse Current 100mA
Operating Temperature -30 to 85°C



Cathode identified by short lead

H = 8.65 (body), L = 25.5mm (cathode lead)

Mfrs. List No.	Colour	Viewing Angle	Luminous Intensity Typ (mcd)	V _f (V) Typ.	I _f (mA) Max.	Order Code
E1L51-AWOC2-01	White	15°	5000	3.4	100	105-7113
E1L53-AWOC2-01	White	30°	2100	3.4	100	105-7115
E1L33-AW0A2-03	White	35°	1300	3.4	100	105-7117
E1L35-AW0A2-03	White	45°	1000	3.4	100	105-7118
E1L55-AWOC2-01	White	50°	1600	3.4	100	105-7116

419076

Mfrs. List No.	Order Code	1+	10+	25+	100+	+
E1L51-AWOC2-01	105-7113	130.00	114.00	106.00	103.00	--
E1L53-AWOC2-01	105-7115	121.00	107.00	99.00	98.00	--
E1L55-AWOC2-01	105-7116	130.00	114.00	106.00	103.00	--
E1L33-AW0A2-03	105-7117	130.00	114.00	106.00	103.00	--
E1L35-AW0A2-03	105-7118	130.00	114.00	106.00	103.00	--

5mm/T1 3/4, High & Ultrahigh Bright



Lead pitch 2.54, leads 21.0 x 0.5sq.
Cathode identified by flat on body and shorter lead.

Colour	View Angle	Lum Intensity (mcd) @ I _f = 20mA	I _f (mA) max.	PIV Max.	Outline	Mfrs. List No.	Order Code
High Bright - Untinted Clear Lens - InGaAlP							
Yellow	22°	850	4140	30	4	2	TLYE157AP 623-600
Ultrahigh Bright- Untinted Clear Lens - InGaAlP							
Red	30°	272	700*	50	4	3	TLSE156P 325-5530
Red	30°	500	900*	50	4	3	TLRMH156P 325-5487
Red	30°	272	1288	50	4	3	TLRE156AP 325-5499
Red	30°	476	2300	50	4	3	TLSH156P 325-5529
Red	30°	476	2300	50	4	3	TLSH16T(F) 114-1085
Red	30°	272	1288	50	4	3	TLRH156P 623-623
Red	30°	272	1288	50	4	3	TLRH156P(F) 114-1083

Prices are in Thai Baht and exclude 7% VAT. Due to the volatile nature of certain products, prices are subject to change without notice.