

3mm Light Emitting Diodes (LEDs) - continued

3mm/T1, Standard and Ultra Bright - continued

Colour	View Angle	Lum. Intensity (mcd) @ I _f = 20mA		I _f (mA) (max)	PIV max.	Order Code
		min.	typ.			
Tinted Diffused Lens						
Red	60°	8	50	30	5	335-0861
Orange	60°	8	50	30	5	329-9478
Green	60°	5	32	25	5	329-9480
Untinted Clear Lens						
Green	50°	100	300	25	5	637-129
Red	50°	360	500	30	5	637-130
Red	50°	1200	1400	30	5	637-142

206334

Colour	Order Code	Price Each				
		5+	100+	1K+	2K5+	+
Red	335-0861▲	7.00	6.00	5.00	3.00	--
Orange	329-9478▲	6.00	6.00	5.00	3.00	--
Green	329-9480▲	7.00	6.00	5.00	3.00	--
Ultra Bright						
Green	637-129▲	10.00	8.00	7.00	4.00	--
Red	637-130▲	11.00	7.00	5.00	4.00	--
Red	637-142▲	14.00	12.00	11.00	9.00	--

3mm/T1, Ultra Bright/High Intensity



HLMP-Nxxx Series:
L=5.35, Dia=3.10
Lead pitch=2.54,
Leads=23 x 0.65 x 0.40

HLMP Series:
L=4.7, Dia=3.18
Lead pitch=2.54,
Leads=24 x 0.45sq

ESBR3431: L=5.5, Dia=3.0
Lead pitch=2.5, Leads=14 x 0.45sq
Cathode identified by shorter lead.

Colour	View Angle	Typ. Lum Intensity (mcd)	I _f (mA) (max)	PIV (max)	Mfrs.	Mfrs. List No.	Order Code
Untinted Clear Lens							
Red	45°	65 @ 20mA	20	5	AV	HLMP-K105	100-3200
Red	45°	30 @	90	5	AGI	HLMP-1321	857-6386
HE Red	45°	45 @ 20mA	25	5	AV	HLMP-1340	100-3201
Yellow	45°	45 @ 20mA	20	5	AV	HLMP-1440	100-3202
Orange	60°	5.5 @ 10mA	30	5	AGI	HLMP-K401..	885-952
Orange	60°	5.5 @ 10mA	30	5	AGI	HLMP-K401	100-3389
Green	45°	45 @ 20mA	25	5	AV	HLMP-1540	100-3204
Tinted Diffused Lens							
Red	60°	45 @ 20mA	20	5	AV	HLMP-K101	100-3205
Red	55°	2.3 @ 10 mA	90	5	AGI	HLMP-1350..	857-6394
Yellow	60°	3.6 @ 10 mA	60	5	AGI	HLMP-1401-D00A1	857-6408
Green	60°	4.2 @ 10 mA	90	5	AGI	HLMP-1503-D0000	857-6416
Green	55°	2.3 @ 10 mA	90	5	AGI	HLMP-1550	857-6424
Narrow Angle Tinted Clear Lens							
Green	45°	12 @ 20mA	25		AV	HLMP-1521◆	100-3375
Untinted Clear Lens - SunPower Series AllnGaP							
Red	60°	180	30	626nm	AV	HLMP-NG07	100-3134
Amber	60°	220	30	590nm	AV	HLMP-NL06	100-3135

221740

Colour	Order Code	Price Each				
		5+	10+	100+	500+	+
Red	100-3200●	20.00	12.00	10.00		--
Red	857-6386●	8.00	7.00	6.00		--
HE Red	100-3201●	15.00	10.00	8.00		--
Yellow	100-3202●	15.00	10.00	8.00		--
Green	100-3204●	15.00	10.00	8.00		--
Red	100-3205●	18.00	12.00	10.00		--
Red	857-6394●	19.00	17.00	15.00		--
Yellow	857-6408●	20.00	18.00	16.00		--
Green	857-6416●	8.00	8.00	7.00		--
Green	857-6424●	15.00	14.00	12.00		--
Green	595-500▲±	14.00	9.00	7.00		--
Green	100-3375●	14.00	9.00	7.00		--
Ultra Bright						
Red	100-3134●	18.00	11.00	9.00	8.00	--
Amber	100-3135●	18.00	11.00	9.00	8.00	--
Orange	885-952▲±	12.00	7.00	6.00	5.00	--
Orange	100-3389●	12.00	7.00	6.00	5.00	--

Bicolour, 3mm/T1



L=5.1, Dia=3.1L
Lead pitch=2.54, Leads=22x0.5sq.

Green cathode identified by flat on body and shorter lead.

Bicolour LEDs have two diodes connected in inverse parallel. AC operation gives a third intermediate colour, e.g. red+green gives orange.

LED TECHNOLOGY

Colour	View Angle	Typ Lum Intensity @ 20mA (mcd)	I _f (mA) (max)	Mfrs. List No.	Order Code
Untinted Diffused Lens					
HE Red and Green	100°	4.5/4.2 @ 20mA	25	L24R3000K2P2.	178-315
Green and Yellow	100°	4/4.2 @ 20mA	25	L23R3000K2P2.	178-317

206708

Colour	Order Code	Price Each		
		1+	50+	1K+
HE Red and Green	178-315	106.00	70.00	60.00
Green and Yellow	178-317	106.00	70.00	60.00

Tricolour, 3mm/T1



Two colour LEDs connected common cathode. Both diodes connected gives third intermediate colour.

L=4.6, Dia=2.8
Lead spacing=2.54 (in-line)
Lead length A1=20.4 K=24.5 A2=22.4

Colours	View Angle	Lum Intensity min	(mcd) @ 20mA typ	I _f (mA) (max)	PIV	Order Code
Untinted Diffused Lens						
HE Red and Green	60°	20/20	50/50	30/25	5	114-2520
HE Red and Yellow	60°	20/20	50/50	30/30	5	114-2521
Green and Yellow	60°	20/20	50/50	25/30	5	114-2522
Untinted Clear Lens						
Ultra Red and Green	60°	100/50	700/100	25/25	5	114-2518

221690

Colour	Order Code	Price Each				
		1+	50+	100+	1K+	+
HE Red and Green	114-2520●	36.00	27.00	21.00	6.00	--
HE Red and Yellow	114-2521●	42.00	34.00	31.00	14.00	--
Green and Yellow	114-2522●	42.00	34.00	31.00	14.00	--
Ultra Red and Green	114-2518●	32.00	27.00	22.00	16.00	--

3mm & 5mm White, Blue & Green LEDs

White, 3mm/T1 and 5mm/T1¼



3mm - L=5.4 (body), Dia=3.1, Lead pitch=2.54, Leads=16.5 x 0.5sq
5mm - L=7.6 (body), Dia=5.0, Lead pitch=2.54, Leads=16.5 x 0.5sq
Cathode identified by flat on body and shorter lead

Colour	View Angle	Typ Lum Intensity @ 20mA (mcd)	I _f (mA) (max)	V _f (typ)	PIV Max	Order Code
Untinted Diffused Lens						
White 5mm	70°	420	30	3.6	5	105-7069
Untinted Clear Lens						
White 3mm	25°	2800	30	3.6	5	105-7134
White 3mm	60°	1270	30	3.6	5	105-7123
White 5mm	20°	5600	30	3.6	5	105-7135
White 5mm	50°	1560	30	3.6	5	105-7132

206476

	Order Code	Price Each				
		1+	10+	25+	50+	+
3mm T1	105-7123●	211.00	197.00	188.00	180.00	--
5mm T1¾	105-7132●	196.00	186.00	177.00	170.00	--
5mm T1¾	105-7069●	211.00	197.00	188.00	180.00	--
3mm T1	105-7134●	211.00	197.00	187.00	180.00	--
3mm T1	105-7123●	211.00	197.00	188.00	180.00	--
5mm T1¾	105-7135●	211.00	197.00	188.00	180.00	--
5mm T1¾	105-7132●	196.00	186.00	177.00	170.00	--

Blue, 3mm/T1 and 5mm/T1¼



3mm/T1 - Length = 5.3, Dia = 3.0, Lead pitch = 2.54, Lead length = 16, Lead size = 0.5sq. Cathode identified by flat on body and shorter lead

5mm - Length = 8.6, Dia = 5.0, Lead pitch = 2.54, Lead length = 25.4, Lead size = 0.5sq. Cathode identified by flat on body and shorter lead