

Dual Color LEDs



IF=20mA Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 2θ1/2
	Emitter	Lens	λp	λd		IV1	IV2	

Device No	Color	Wavelength (nm)	VF Typical (V)	Brightness (mcd)		View Angle 2θ1/2
				IV1	IV2	
HB3b-39OGC	hi-eff red	625	618	2.05	25.0	40
	yellow green	570	567	2.15	25.0	
HB3b-39YGC	yellow	589	585	2.10	20.0	40
	yellow green	570	567	2.15	25.0	
HB3b-395AOR3BGC	super fresh red	635	625	2.00	300	40
	super yellow green	575	572	2.20	140	
HB3b-395AOR3AGCC	super fresh red	635	625	2.00	300	40
	pure green	523	525	3.20	350	
HB3b-395AOR8ABCC	super fresh red	635	625	2.00	300	40
	super blue	462	465	3.30	220	
HB3b-396ARA3AGCA	super deep red	660	645	1.86	200	40
	pure green	523	525	3.20	350	
HB3b-3963A	super red	660	643	1.80	30	40
	yellow green	570	567	2.15	20	
HB3b-495AOR3BGC	super fresh red	635	625	2.00	500	20
	super yellow green	575	572	2.20	300	
HB3b-495AOR3AGCC	super fresh red	635	625	2.00	500	30
	pure green	523	525	3.20	850	
HB3b-495AOR8ABCC	super fresh red	635	625	2.00	500	30
	super blue	462	465	3.30	300	
HB3b-496ARA3AGCA	super deep red	660	645	1.86	400	20
	pure green	523	525	3.20	800	
HB3b-4963A	super red	660	643	1.80	50	20
	yellow green	570	567	2.15	30	


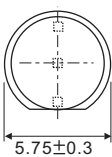
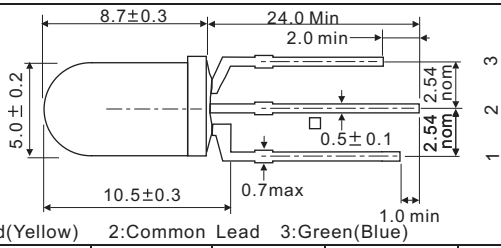
IV1:Labsphere LED-1100 IV2:EXELTRON 2001.



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Device No	Color		Wavelength (nm)		VF	Brightness (mcd)		View
	Emitter	Lens	λ_p	λ_d	Typical (V)	IV1	IV2	Angle 2 θ 1/2

Device No	Color	Wavelength (nm)	VF	Brightness (mcd)		View
				IV1	IV2	
   <p>1:Red(Yellow) 2:Common Lead 3:Green(Blue)</p> <p>UNIT:mm</p>	hi-eff red	625	2.05	30.0	60.0	40
	yellow green	570	2.15	30.0	60.0	
	yellow	589	2.10	20.0	40.0	
	yellow green	570	2.15	30.0	60.0	
	super fresh red	635	2.00	450	800	
	super yellow green	575	2.20	150	300	
	super fresh red	635	2.00	450	800	
	pure green	523	3.20	1200	2000	
	super fresh red	635	2.00	500	1000	
	super blue	462	3.30	160	320	
	super deep red	660	1.86	300	600	
	pure green	523	3.20	1200	2000	
	super red	660	1.80	50.0	100	
	yellow green	570	2.15	20.0	40.0	
	super fresh red	635	2.00	750	1500	
	super yellow green	575	2.20	450	800	
	super fresh red	635	2.00	750	1500	
	pure green	523	3.20	1400	2800	
super fresh red	635	2.00	750	1500		
super blue	462	3.30	700	1400		
super deep red	660	1.86	600	1100		
pure green	523	3.20	1500	2800		
super red	660	1.80	150	300		
yellow green	570	2.15	120	250		

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Dual & Triple Color LEDs



IF=20mA Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 2θ1/2
	Emitter	Lens	λp	λd		IV1	IV2	

5										
			super fresh red	Water clear	635	625	2.00	1500	3000	12
			super pure green		523	525	3.20	3500	6000	
			super blue		462	465	3.30	2000	2500	

2 X 5										
			hi-eff red	White diffused	625	618	2.05	5.0	10.0	100
			yellow green		570	567	2.15	6.0	11.0	
			yellow		589	585	2.10	4.0	8.0	
			yellow green		570	567	2.15	5.0	10.0	
			super fresh red		635	625	2.00	20.0	40.0	
			super yellow green		575	572	2.20	10.0	20.0	
			super fresh red		635	625	2.00	20.0	40.0	
			super blue		462	465	3.30	15.0	30.0	
			super red		660	643	1.80	8.0	15.0	
			yellow green		570	567	2.15	6.0	11.0	
			super fresh red		635	625	2.10	160.0	320.0	
super pure green	523	525	3.20	200.0	380.0					

2 X 5										
			hi-eff red	White diffused	625	618	2.05	5.0	5.0	125
			yellow green		570	567	2.15	5.0	5.0	
			yellow		589	585	2.10	4.0	4.0	
			yellow green		570	567	2.15	4.0	4.0	


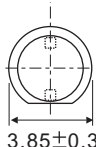
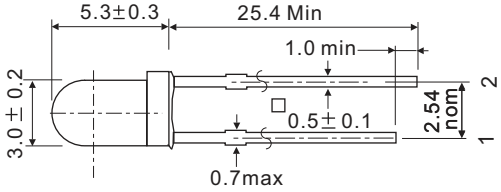
IV1:Labsphere LED-1100 IV2:EXELTRON 2001.


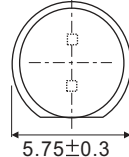
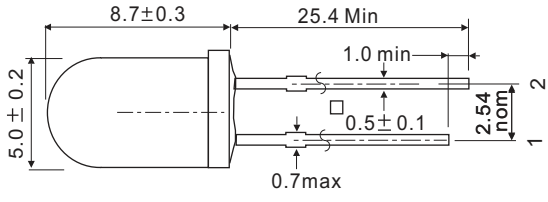


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IF=20mA Ta=25°C

Device No	Color		Wavelength (nm)		VF	Brightness (mcd)		View
	Emitter	Lens	λ_p	λ_d	Typical (V)	IV1	IV2	Angle 2 θ 1/2

									1:long wavelength - 2:short wavelength - UNIT:mm	
3	HB3b-31OG		hi-eff red	White diffused	625	618	2.05	12.0	25.0	45
			yellow green		570	567	2.15	15.0	30.0	
	HB3b-31YG		yellow		589	585	2.10	10.0	20.0	
			yellow green		570	567	2.15	15.0	30.0	
	HB3b-315AOR3BG		super fresh red		635	625	2.00	100	200	
			super yellow green		575	572	2.20	50.0	100	
	HB3b-315AOR3AGCA		super fresh red		635	625	2.00	100	200	
			super pure green		523	525	3.20	90.0	180	
	HB3b-415AOR8ABC		super fresh red		635	625	2.00	400	800	
			super blue		462	465	3.30	350	650	

									1:long wavelength - 2:short wavelength - UNIT:mm	
5	HB5-31OG		hi-eff red	White diffused	625	618	2.05	22.0	45.0	45
			yellow green		570	567	2.15	25.0	50.0	
	HB5-31YG		yellow		589	585	2.10	17.0	35.0	
			yellow green		570	567	2.15	25.0	50.0	
	HB5-315AOR3AGCA		super fresh red		635	625	2.00	450	800	
			super pure green		523	525	3.20	1300	2500	
	HB5-315AOR8ABCA		super fresh red		635	625	2.00	450	800	
			super blue		462	465	3.30	400	700	30

IV1:Labsphere LED-1100 IV2:EXELTRON 2001.