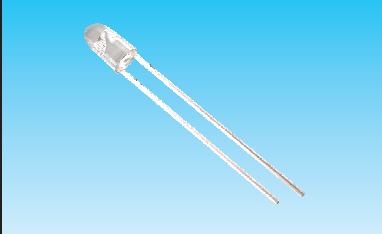
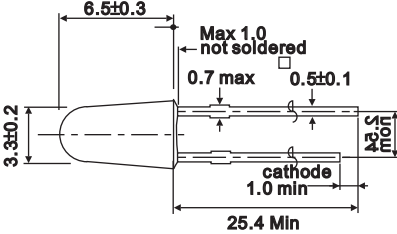


Extra Bright LEDs



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	

									UNIT:mm	
φ 3	HB3RV-443BA		cyan	Water clear	502	505	3.50	1000	2000	40/75
	HB3RV-443AGCA		pure green		523	525	3.50	2100	4200	
	HB3RV-444FY		super yellow		592	590	2.00	400	800	
	HB3RV-444WY		super yellow		592	590	2.10	1000	1800	
	HB3RV-444HY		super yellow		592	590	2.10	1500	3000	
	HB3RV-445FO		super orange		620	615	2.00	360	720	
	HB3RV-445AOR		super fresh red		635	625	2.00	250	500	
	HB3RV-445SOR		deep red		638	629	2.25	400	800	
	HB3RV-446ARA		super deep red		660	645	1.86	300	600	
	HB3RV-446UOR		super fresh red		635	625	2.10	500	1000	
	HB3RV-446WOR		super fresh red		635	625	2.10	600	1200	
	HB3RV-447FA		super amber		607	605	2.00	360	720	
	HB3RV-447HA		super amber		607	605	2.00	1400	2800	
	HB3RV-448ABD		blue		468	470	3.50	500	1000	

IV1:Labsphere LED-1100 IV2:EXELTRON 2001.