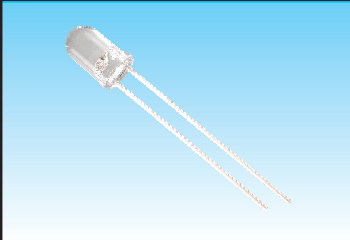
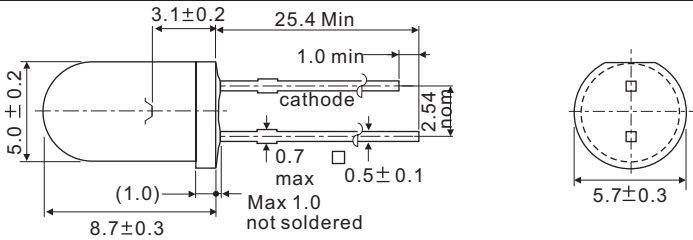


Extra Bright LEDs



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	

									
HB5-433DG	yellow green	Water clear	570	567	2.15	320	800	14	
HB5-433CG	super yellow green		570	567	2.15	400	1200		
HB5-433BG	super yellow green		575	572	2.20	1500	2500		
HB5-433EBA	cyan		502	505	3.20	6500	8000	15	
HB5-433EAGD	pure green		523	525	3.20	8000	10500		
HB5-434AY	super yellow		592	590	2.00	2400	3000	12	
HB5-434FY	super yellow		592	590	2.00	3000	5500		
HB5-434SY	super yellow		592	590	2.25	3500	7000		
HB5-434UY	super yellow		592	590	2.10	3600	7200		
HB5-434WY	super yellow		592	590	2.10	4000	8000		
HB5-434HY	super yellow		592	590	2.10	6000	12000		
HB5-435AO	super orange		620	615	2.00	2400	3000		
HB5-435FO	super orange		620	615	2.00	3200	5500		
HB5-435AOR	super fresh red		635	625	2.00	3000	4500		
HB5-435SOR	super fresh red		638	629	2.25	3500	7000		
HB5-436DR	deep red		660	643	1.80	350	800		
HB5-436CR	deep red		660	643	1.80	700	1200		
HB5-436AR	super deep red		660	645	1.86	1250	2400		
HB5-436ARA	super deep red		660	645	1.86	1400	3500		
HB5-436UOR	super fresh red		635	625	2.10	3600	7200		
HB5-436WOR	super fresh red		635	625	2.10	4000	8000		
HB5-436HOR	super fresh red		635	625	2.10	8000	17000		
HB5-437FA	super amber		607	605	2.00	3000	5500		
HB5-437HA	super amber		607	605	2.10	13000	25000		
HB5-438ABD	blue		462	465	3.30	3000	4800		

IV1:Labsphere LED-1100 IV2:EXELTRON 2001.