
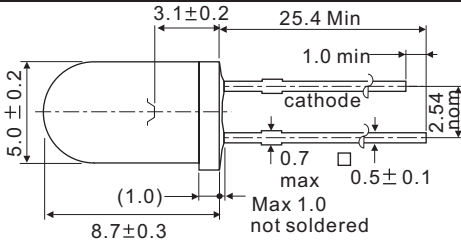
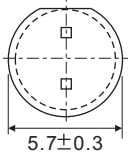


# Extra Bright LEDs



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
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	12
HB5-433EBA		cyan		502	505	3.50	6500	8000	15
HB5-433EAGCA		pure green		523	525	3.50	7000	9500	
HB5-433EAGD		pure green		523	525	3.50	8000	10500	
HB5-434AY		super yellow		592	590	2.00	2000	3000	12
HB5-434FY		super yellow		592	590	2.00	2800	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	12
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	2.00	13000	25000	
HB5-438ABCA		blue		468	470	3.50	2600	3000	
HB5-438ABD		blue		468	470	3.50	3000	3500	

IV1:Labsphere LED-1100 IV2:EXELTRON 2001.