


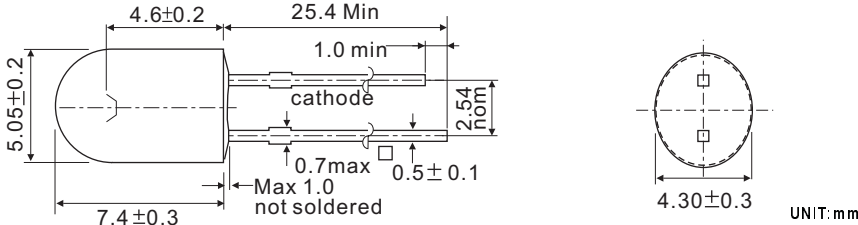
Extra Bright LEDs



Oval Type

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	

oval φ										
	HB4Q-433CG-C		super yellow green	Water	570	567	2.15	75	200	100/40
	HB4Q-433EBA-C		cyan	clear	502	505	3.50	1500	1850	
	HB4Q-433EAGCA-C		pure green		523	525	3.50	1300	1800	
	HB4Q-433EAGD-C		pure green		523	525	3.50	1800	2500	
	HB4Q-434FY-C		super yellow		592	590	2.00	500	1200	110/40
	HB4Q-434UY-C		super yellow		592	590	2.10	800	1500	
	HB4Q-434WY-C		super yellow		592	590	2.10	900	1800	
	HB4Q-434HY-C		super yellow		592	590	2.10	1000	2000	
	HB4Q-434SY-C		super yellow		592	590	2.25	900	1800	100/40
	HB4Q-435FO-C		super orange		620	615	2.00	600	1200	
	HB4Q-435AOR-C		super fresh red		635	625	2.00	450	1000	
	HB4Q-435SOR-C		super fresh red		638	629	2.25	1500	2500	
	HB4Q-436ARA-C		super deep red		660	645	1.86	200	900	110/40
	HB4Q-436UOR-C		super fresh red		635	625	2.10	800	1500	
	HB4Q-436WOR-C		super fresh red		635	625	2.10	900	1800	
	HB4Q-436HOR-C		super fresh red		635	625	2.10	1000	2000	
	HB4Q-437HA-C		super amber		607	605	2.00	1400	2800	100/40
	HB4Q-438ABCA-C		blue		468	470	3.50	280	500	
HB4Q-438ABD-C		blue		468	470	3.50	350	750		

IV1:Labsphere LED-1100 IV2:EXELTRON 2001.