



Low Current LEDs

IF=2mA Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 20½	Drawing Figure	
	Emitter	Lens	λp	λd		Minimum	Typical			
φ 3	HB3b-142D	hi-eff red	colored diffused	625	618	1.70	2.0	3.5	40	4-36
	HB3b-143D	yellow green	colored diffused	570	567	1.90	3.5	6.5	40	
	HB3b-144D	yellow	colored diffused	589	585	1.80	1.5	3.0	40	
	HB3b-145D	orange	colored diffused	625	618	1.70	2.0	3.5	40	
	HB3b-446D	super red	water clear	660	643	1.65	10.0	20.0	12	
φ 5	HB5-132D	hi-eff red	colored diffused	625	618	1.70	2.0	5.0	30	4-37
	HB5-133D	yellow green	colored diffused	570	567	1.90	4.0	7.0	30	
	HB5-134D	yellow	colored diffused	589	585	1.80	1.5	3.0	30	
	HB5-135D	orange	colored diffused	625	618	1.70	2.0	5.0	30	
	HB5-436D	super red	water clear	660	643	1.65	16.0	30.0	10	

Blinking LEDs

IF=20mA Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 20½	Drawing Figure	
	Emitter	Lens	λp	λd		Minimum	Typical			
φ 3	HFB3b-142	hi red	colored diffused	700	657	3~12	0.4	1.0	40	4-36
	HFB3b-145	hi-eff red	colored diffused	625	618		3.5	6.0		
	HFB3b-143	yellow green	colored diffused	570	567		5.0	8.0		
	HFB3b-144	yellow	colored diffused	589	585		3.5	5.5		
φ 5	HFB5-132	hi red	colored diffused	660	657	3~12	0.5	1.1	30	4-37
	HFB5-135	hi-eff red	colored diffused	625	618		6.0	11.0		
	HFB5-133	yellow green	colored diffused	570	567		7.0	13.0		
	HFB5-134	yellow	colored diffused	589	585		6.0	10.0		
	HFB5-436ARA	super red	water clear	660	645		600	2000	20	

Dimension:

Unit : mm.

