

Normal Indicator LEDs

3mm & 4.7mm Round type LEDs

IF=20mA Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 2θW	Drawing Figure	
	Emitter	Lens	λp	λd		Minimum	Typical			
φ 3	HB3J-142	hi-red	colored diffused	700	658	2.20	2.0	5.0	60	4-50
	HB3J-145R	hi-eff red	colored diffused	625	618	2.05	20.0	35.0		
	HB3J-143	yellow green	colored diffused	570	567	2.15	20.0	40.0		
	HB3J-144	yellow	colored diffused	589	585	2.10	15.0	30.0		
	HB3J-145	orange	colored diffused	625	618	2.05	20.0	35.0		
φ 3	HB3N-142	hi-red	colored diffused	700	658	2.20	2.0	5.0	60	4-51
	HB3N-145R	hi-eff red	colored diffused	625	618	2.05	20.0	35.0		
	HB3N-143	yellow green	colored diffused	570	567	2.15	20.0	40.0		
	HB3N-144	yellow	colored diffused	589	585	2.10	15.0	30.0		
	HB3N-145	orange	colored diffused	625	618	2.05	20.0	35.0		
φ 4	HB4a-132	hi-red	colored diffused	700	658	2.20	1.0	20.0	40	4-52
	HB4a-135R	hi-eff red	colored diffused	625	618	2.05	30.0	45.0		
	HB4a-133	yellow green	colored diffused	570	567	2.15	30.0	50.0		
	HB4a-134	yellow	colored diffused	589	585	2.10	30.0	40.0		
	HB4a-135	orange	colored diffused	625	618	2.05	30.0	45.0		
φ 4.7	HB4-132	hi-red	colored diffused	700	658	2.20	2.0	5.0	50	4-53
	HB4-135R	hi-eff red	colored diffused	625	618	2.05	9.0	18.0		
	HB4-133	yellow green	colored diffused	570	567	2.15	10.0	20.0		
	HB4-134	yellow	colored diffused	589	585	2.10	8.0	15.0		
	HB4-135	orange	colored diffused	625	618	2.05	9.0	18.0		

Dimension:

Unit : mm.

