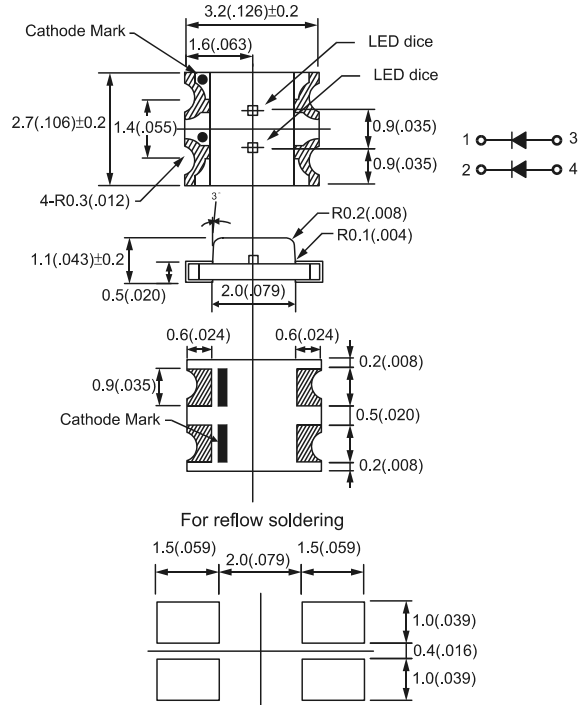


# SURFACE MOUNT DUAL COLOR LED LAMPS



## BL-Hxxxxx3B (1210) Series



NOTE:  
 1.All dimensions are in millimeters(inches).  
 2.Tolerance is  $\pm 0.10(.004)$  unless otherwise specified.  
 3.Specifications are subject to change without notices.

### Absolute Maximum Ratings ( $T_a=25^\circ\text{C}$ )

	UNIT	SPEC.
IF	mA	20
IFp	mA	100
VR	V	5
Topr	$^\circ\text{C}$	-40~+85
Tstg	$^\circ\text{C}$	-40~+85

Part No.	Chip				Lens Appearance	Electro-optical Data (At 20mA)				Viewing Angle 2 $\theta$ 1/2 (deg)
	Material	Emitted Color	$\lambda_p$ (nm)	$\lambda_d$ (nm)		Vf (V)		Iv (mcd)		
						Typ.	Max.	Min.	Typ.	
BL-HD1X133B	GaAlAs/GaAs	Super Red	660	643	Water Clear	1.8	2.6	12.3	25.0	120°
	GaP/GaP	Hi-Eff Green	568	570		2.2	2.6	5.5	12.0	
BL-HE1G033B	GaAsP/GaP	Hi-Eff Red	640	628		2.0	2.6	5.5	12.0	
	GaP/GaP	Green	568	571		2.2	2.6	2.4	10.0	
BL-HE1Y033B	GaAsP/GaP	Hi-Eff Red	640	628		2.0	2.6	5.5	12.0	
	GaAsP/GaP	Yellow	583	585		2.1	2.6	2.4	10.0	
BL-HG0Y033B	GaP/GaP	Green	568	571		2.2	2.6	2.4	10.0	
	GaAsP/GaP	Yellow	583	585		2.1	2.6	2.4	10.0	
BL-HUBGE33B	AlGaInP	Supper Red	645	632		2.0	2.6	28	50	
	AlGaInP	Super Yellow Green	570	570		2.0	2.6	18.5	40	
BL-HB5UB33B	AlInGaN	Supper Blue	470	472		3.2	3.6	28	50	
	AlGaInP	Supper Red	645	632		2.0	2.6	28	50	