



BI-COLOR CHIP LED LAMPS



BL-HXXXXX3 Series

3.2(.126)±0.2
 1.25(.049) 0.7(.027)
 1.6(.063)±0.2
 LED CHIP
 LED CHIP
 R0.3(.012)
 1.1(.043)±0.2
 3°
 R0.2(.008)
 R0.1(.004)
 0.5(.020) 2.0(.079)
 Cathode Mark
 0.6(.024) 0.6(.024)

G0,X1(-) E1,Y0,D1(-)

For reflow soldering

1.5(.059) 2.0(.079) 1.5(.059)
 1.6(.063)

NOTE:
 1.All dimensions are in millimeters(inches).
 2.Tolerance is ± 0.10(.004") unless otherwise specified.
 3.Specifications are subject to change without notice.
 4.Condition for IFp is pulse of 1/10 duty and 0.1msec width.

Absolute Maximum Ratings(Ta=25°C)

	UNIT	SPEC.
IF	mA	30
IFp	mA	100
V _R	V	5
IR	uA	100
Top	°C	-25~+80
Tstg	°C	-30~+85

Part No.	Chip				Lens Appearance	Electro-optical Data (At 20mA)				Viewing Angle 2θ 1/2 (deg)±5		
	Material	Emitted Color	λ p (nm)	Δ λ (nm)		Vf(V)		Iv(mcd)				
						Typ.	Max.	Min.	Typ.			
BL-HE1G033	GaAsP/GaP	Hi-Eff Red	640	45	Water Clear	2.0	2.6	3.5	10.0	120		
	GaP/GaP	Green	568	30		2.2	2.6	4.0	12.0			
BL-HY0G033	GaAsP/GaP	Yellow	585	35		2.1	2.6	2.5	7.0			
	GaP/GaP	Green	568	30		2.2	2.6	4.0	12.0			
BL-HD1X133	GaAlAs/GaAs	Super Red	660	20		1.8	2.6	8.0	25.0			
	GaP/GaP	Hi-Eff Green	568	30		2.0	2.6	6.0	18.0			
BL-HE1G023	GaAsP/GaP	Hi-Eff Red	640	45		White Diffused	2.0	2.6	2.5		8.0	140
	GaP/GaP	Green	568	30			2.2	2.6	3.5		10.0	
BL-HY0G023	GaAsP/GaP	Yellow	585	35	2.1		2.6	1.5	5.0			
	GaP/GaP	Green	568	30	2.2		2.6	3.5	10.0			
BL-HD1X123	GaAlAs/GaAs	Super Red	660	20	1.8		2.6	7.5	23.0			
	GaP/GaP	Hi-Eff Green	568	30	2.0		2.6	5.0	16.0			