

# SURFACE MOUNT CHIP LED LAMPS



### Absolute Maximum Ratings (Ta=25°C)

	UNIT	SPEC.
IF	mA	20
IFp	mA	100
VR	V	5
Topr	°C	-40~+85
Tstg	°C	-40~+85

## BL-Hxxx4E (0802) Series

Anode Mark For

- BL - HSxxx4E
- BL - HDxxx4E
- BL - HFxxx4E

CATHODE ← ANODE

Polarity

For reflow soldering

**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.

Part No.	Chip				Lens Appearance	Electro-optical Data (At 20mA)				Viewing Angle 2 θ1/2 (deg)
	Material	Emitted Color	λp (nm)	λd (nm)		Vf (V)		Iv (mcd)		
						Typ.	Max.	Min.	Typ.	
BL-HS134E	GaAlAsGaAs	Super Red	660	643	Water Clear	1.7	2.6	5.5	10.0	130°
BL-HUB34E	AlGaInP	Super Red	645	632		2.1	2.6	28.0	40.0	
BL-HJB34E	AlGaInP	Super Orange Red	620	615		2.0	2.6	28.0	40.0	
BL-HJD34E	AlGaInP	Super Orange Red	630	625		2.1	2.6	28.0	40.0	
BL-HG034E	GaP/GaP	Yellow Green	568	571		2.1	2.6	2.4	5.0	
BL-HX134E	GaP/GaP	Hi-Eff Green	568	570		2.2	2.6	3.7	10.0	
BL-HGE34E	AlGaInP	Super Yellow Green	570	570		2.0	2.6	12.3	25.0	
BL-HG434E	InGaN	Bluish Green	505	505		3.5	4.0	63.0	120.0	
BL-HG634E	InGaN	Green	525	525		3.5	4.0	94.0	200.0	
BL-HY034E	GaAsP/GaP	Yellow	583	585		2.1	2.6	1.6	4.0	
BL-HKB34E	AlGaInP	Super Yellow	590	587		2.1	2.6	28.0	40.0	
BL-HKD34E	AlGaInP	Super Yellow	595	594		2.1	2.6	28.0	40.0	
BL-HA134E	GaAsP/GaP	Amber	610	610		2.2	2.6	1.6	4.0	
BL-HJF34E	AlGaInP	Super Amber	610	605		2.0	2.6	28.0	40.0	

Part No.	Chip				Lens Appearance	Electro-optical Data (At 5mA)				Viewing Angle 2 θ1/2 (deg)
	Material	Emitted Color	λp (nm)	λd (nm)		Vf (V)		Iv (mcd)		
						Typ.	Max.	Min.	Typ.	
BL-HB334E	AllnGaIn	Super Blue	460	465-470	Water Clear	2.8	3.2	5.5	10.0	130°
BL-HB534E	AllnGaIn	Super Blue	470	470-475		2.8	3.2	5.5	15.0	