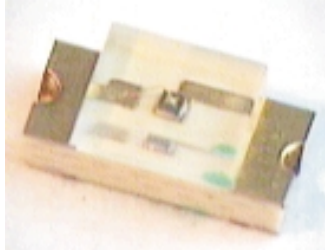
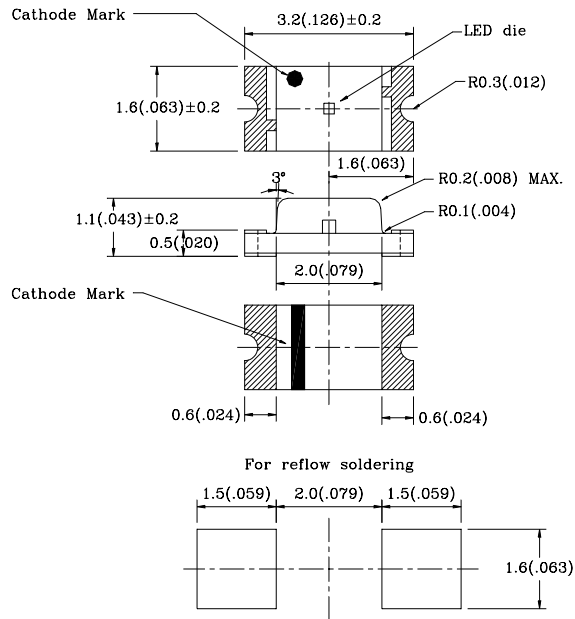




ULTRA CHIP LED LAMPS



BL-HXXX3 (1206) Series



Absolute Maximum Ratings(Ta=25°C)

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

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 notice.
- 4.Condition for IFp is pulse of 1/10 duty and 0.1msec width.

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-HUA33	AlGaInP	Ultra Red	645	22	Water Clear	2.1	2.6	10.0	30.0	120
BL-HUB33	AlGaInP	Ultra Red	645	22		2.1	2.6	12.0	35.0	
BL-HU233	AlGaInP	Ultra Red	645	22		2.0	2.6	18.0	55.0	
BL-HGA33	AlGaInP	Ultra Green	574	15		2.1	2.6	10.0	30.0	
BL-HG333	AlGaInP	Ultra Green	574	15		2.0	2.6	15.0	45.0	
BL-HG533	AlGaInP	Ultra Green	574	15		2.0	2.6	12.0	35.0	
BL-HG433	InGaN	Ultra Green	502	30		3.5	4.0	28.0	85.0	
BL-HG633	InGaN	Ultra Green	523	36		3.5	4.0	28.0	85.0	
BL-HKB33	AlGaInP	Ultra Yellow	588	15		2.1	2.6	23.0	70.0	
BL-HKD33	AlGaInP	Ultra Yellow	595	15		2.1	2.6	23.0	70.0	
BL-HK033	AlGaInP	Ultra Yellow	588	15		2.0	2.6	28.0	85.0	
BL-HJB33	AlGaInP	Ultra Orange	620	17		2.1	2.6	22.0	65.0	
BL-HJD33	AlGaInP	Ultra Orange	630	17		2.1	2.6	22.0	65.0	
BL-HJF33	AlGaInP	Soft Orange	610	17		2.1	2.6	20.0	60.0	
BL-HJ033	AlGaInP	Ultra Orange	620	17		2.0	2.6	30.0	90.0	