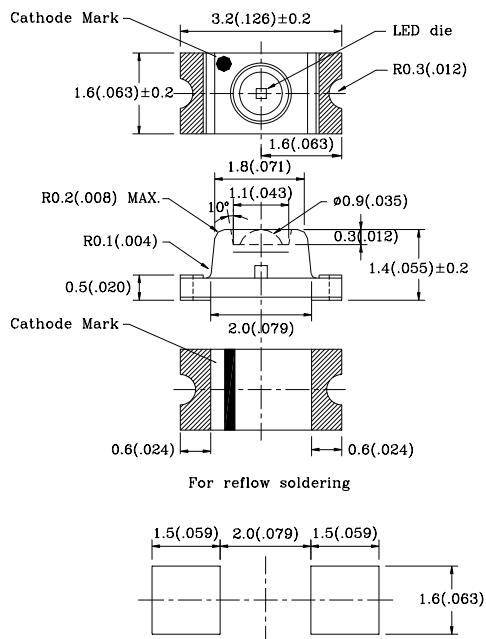




# STANDARD CHIP LED LAMPS



## BL-HXXX3A-2 (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-HS033A-2	GaAlAs/GaAs	Super Red	660	20	Water Clear	1.7	2.6	14.0	40.0	60
BL-HS133A-2	GaAlAs/GaAs	Super Red	660	20		1.8	2.6	12.0	35.0	
BL-HSA33A-2	GaAlAs/GaAs	Super Red	660	20		2.1	2.6	8.0	25.0	
BL-HD033A-2	GaAlAs/GaAs	Super Red	660	20		2.1	2.6	20.0	60.0	
BL-HF033A-2	GaAlAs/GaAlAs	Super Red	660	20		2.1	2.6	30.0	90.0	
BL-HF133A-2	GaAlAs/GaAlAs	Super Red	660	20		2.1	2.6	35.0	100.0	
BL-HF233A-2	GaAlAs/GaAlAs	Super Red	660	20		2.0	2.6	36.0	110.0	
BL-HF333A-2	GaAlAs/GaAlAs	Super Red	660	20		2.0	2.6	40.0	120.0	
BL-HF533A-2	GaAlAs/GaAlAs	Super Red	660	20		2.2	2.6	23.0	70.0	