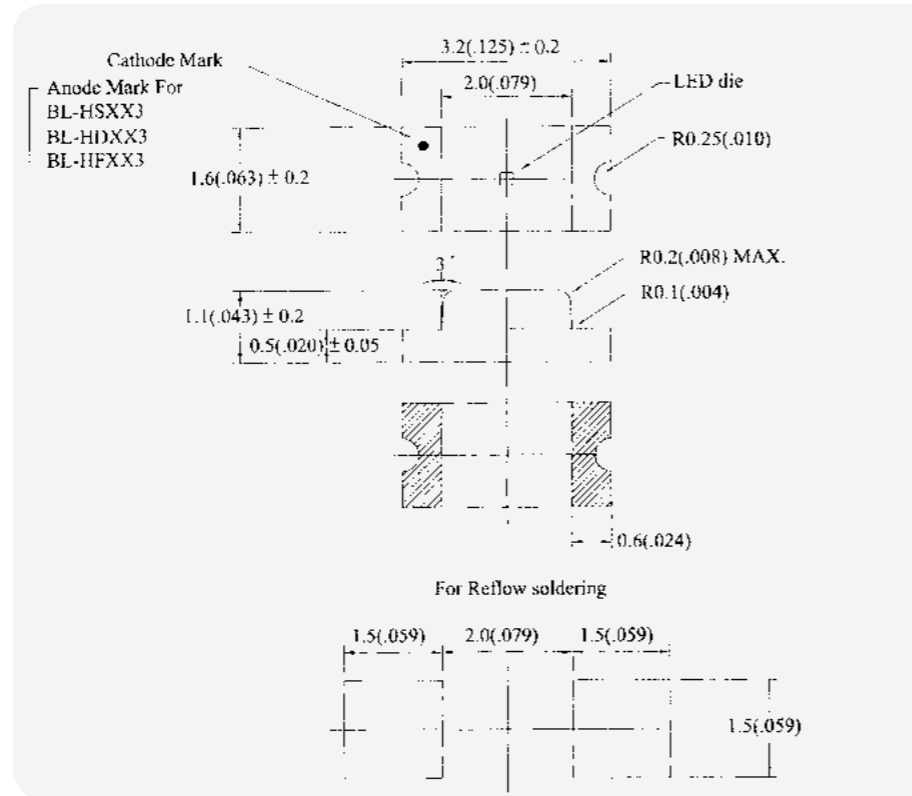


BL-HXXX3(1206) Series



Absolute Maximum Ratings (Ta=25°C)

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



NOTE:

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.10(0.004") unless otherwise specified.
3. Specifications are subject to change without notice.

Part No.	Chip				Lens Appearance	Electro-optical Data (At 20mA)				Viewing Angle 2θ 1/2 (deg)
	Material	Emitted Color	λ _p (nm)	∠λ (nm)		V _f (V)		I _v (mcd)		
						Typ.	Max.	Min.	Typ.	
BL - HG033	GaP / GaP	Green	568	30	Water Clear	2.1	2.6	5.0	15.0	140°
BL - HX133	GaP / GaP	Hi-Eff Green	568	30		2.0	2.6	6.0	18.0	
BL - HY033	GaAsP / GaP	Yellow	585	35		2.1	2.6	3.0	10.0	
BL - HE133	GaAsP / GaP	Hi-Eff Red	635	45		1.9	2.6	3.0	12.0	
BL - HH033	GaP / GaP	Bright Red	700	90		2.3	2.6	0.5	2.0	
BL - HS133	GaAlAs / GaAs	Super Red	660	20		1.7	2.6	8.0	25.0	
BL - HA033	GaAsP / GaP	Amber	610	35		2.0	2.6	5.0	15.0	
BL - HW133	GaP / GaP	Pure Green	555	25		2.2	2.6	0.5	3.0	
BL - HB433	InGaN / Sic	Super Blue	470	30		3.6	4.0	15.0	50.0	
BL - HD033	GaAlAs / GaAs	Super Red	660	20		1.8	2.6	10.0	30.0	
BL - HF033	GaAlAs / GaAlAs	Ultra Red	660	20		2.0	2.6	10.0	45.0	
BL - HJB33	AlGaInP	Super Orange	620	17		2.0	2.6	20.0	70.0	
BL - HJF33	AlGaInP	Soft Orange	610	17		2.0	2.6	15.0	60.0	
BL - HKB33	AlGaInP	Super Yellow	587	15		2.0	2.6	20.0	70.0	
BL - HKD33	AlGaInP	Super Yellow	595	15		2.0	2.6	20.0	70.0	

• DEVICE NUMBER : BL - Hxxx3-TR

FEATURES :

- Compatible with automatic placement equipment
- Surface mount assembly lamp
- High efficiency low power consumption
- Long life solid state reliability

TAPPING AND PACKAGING SPECIFICATION

Item	Symbol	Specification			
		Minimum		Maximum	
		mm	inch	mm	inch
Tape Feed Hole Diameter (DIA)	D ₀	1.40	0.055	1.60	0.063
Feed Hole Location	E	1.65	0.064	1.85	0.073
Centers Line Dimensions Length Direction	F	3.45	0.135	3.55	0.139
Compartment Depth	K ₀	1.30	0.051	1.50	0.059
Compartment Pitch	P	3.90	0.153	4.10	0.161
Sprocket Hole Diameter	P ₀	3.90	0.153	4.10	0.161
Centers Line Dimensions Length Direction	P ₂	1.95	0.076	2.05	0.080
Carrier Tape Thickness	t	-	-	0.30	0.012
Carrier Tape Width	W	7.70	0.303	8.30	0.326
Flange Diameter	A	178.0	7.008	180.0	7.087
Hub Spindle Hole	C	12.50	0.492	13.50	0.531
Hub Diameter	D ₂	70.00	2.755	72.00	2.830
Fixing Tape Width	W ₁	5.25	0.206	5.35	0.210
Flange Space Between Flanges	T	12.50	0.492	13.50	0.531
Compartment Length	A ₀	1.84	0.072	2.04	0.080
Compartment Width	B ₀	3.43	0.135	3.63	0.143

