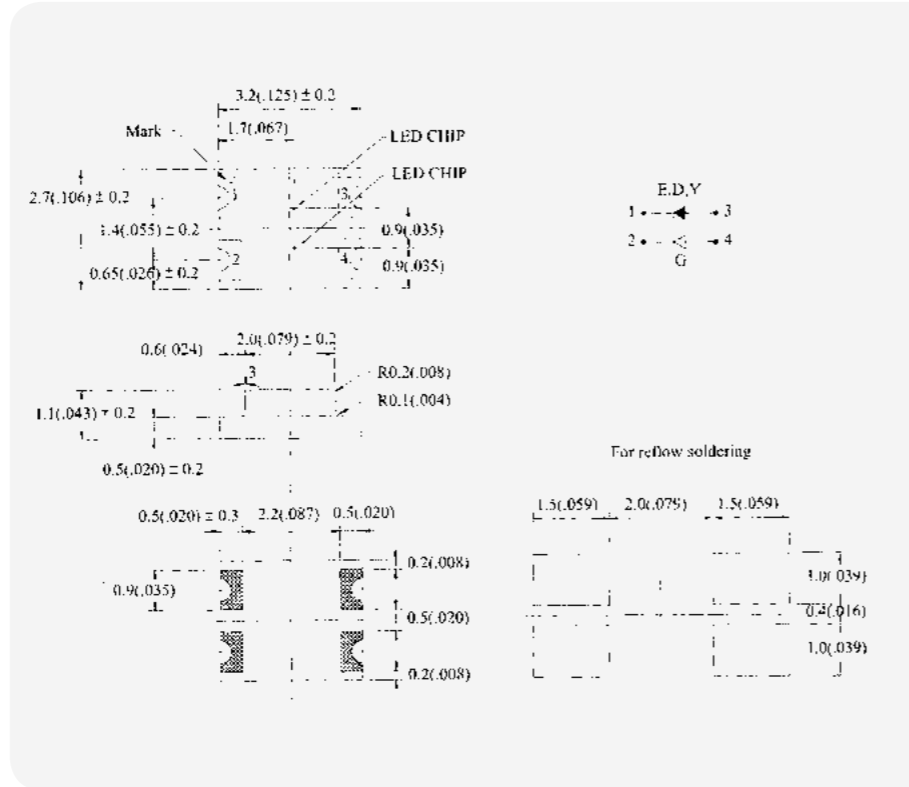
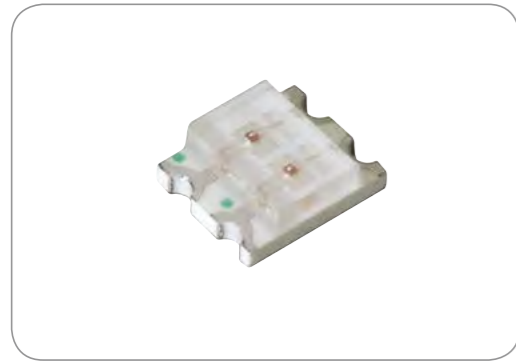


BL-HXXXXX3B(1210) Series



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)	Δλ (nm)		V _f (V)		I _v (mcd)				
						Typ.	Max.	Min.	Typ.			
BL - HY0G033B	GaAsP / GaP	Yellow	585	35	Water Clear	2.1	2.6	3.0	10.0	140°		
	GaP / GaP	Green	568	30		2.1	2.6	5.0	15.0			
BL - HE1G033B	GaAsP / GaP	Hi-Eff Red	635	45		1.9	2.6	6.5	16.0			
	GaP / GaP	Green	568	30		2.1	2.6	5.0	15.0			
BL - HD1X133B	GaAlAs / GaAs	Super Red	660	20		1.8	2.6	10.0	30.0			
	GaP / GaP	Hi-Eff Green	568	30		2.0	2.6	8.0	25.0			
BL - HY0G023B	GaAsP / GaP	Yellow	585	35		Water Diffused	2.1	2.6	2.5		8.0	150°
	GaP / GaP	Green	568	30			2.1	2.6	4.0		13.0	
BL - HE1G023B	GaAsP / GaP	Hi-Eff Red	635	45			1.9	2.6	5.0		14.0	
	GaP / GaP	Green	568	30			2.1	2.6	4.0		12.0	
BL - HD1X123B	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	20.0			

• **DEVICE NUMBER** : BL - Hxxxxx3B-TR, BL-Hxxxxx3F-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	1.25	0.049	1.35	0.053
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	2.75	0.108	2.90	0.114
Compartment Width	B ₀	3.75	0.128	3.50	0.138

