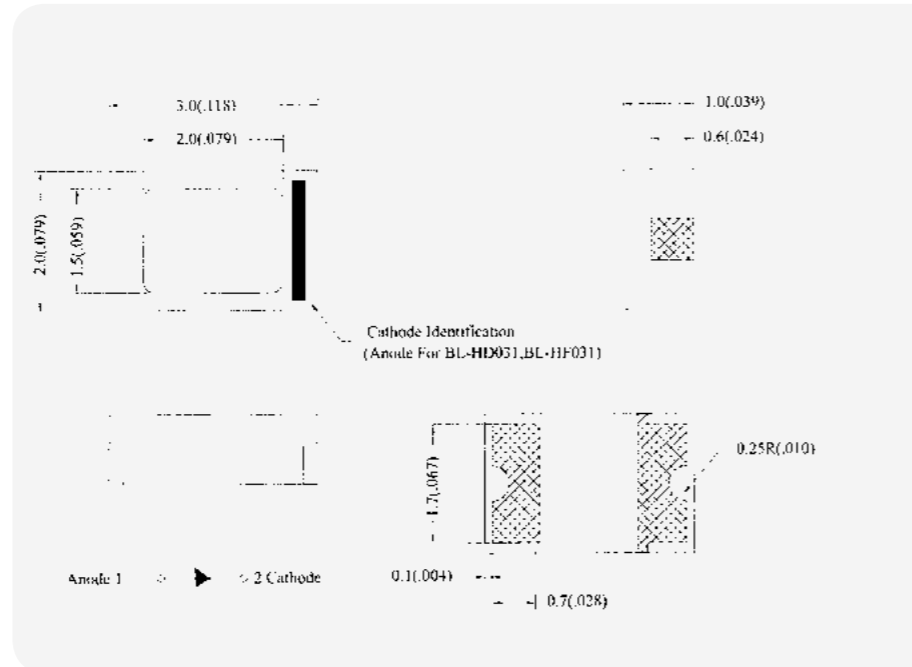


BL-HXXX1 Series



NOTE:
 1. All dimensions are in millimeters(inches).
 2. Tolerance is $\pm 0.25(.010)$ unless otherwise specified.
 3. Specifications are subject to change without notice

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

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 - HH031	GaP / GaP	Bright Red	700	90	Water Clear	2.3	2.6	1.0	3.5	125°
BL - HG031	GaP / GaP	Green	568	30		2.1	2.6	6.0	18.0	
BL - HX031	GaP / GaP	Hi-Eff Green	568	30		2.0	2.6	8.0	25.0	
BL - HW031	GaP / GaP	Pure Green	555	25		2.2	2.6	0.6	1.8	
BL - HY031	GaAsP / GaP	Yellow	585	35		2.1	2.6	4.0	12.0	
BL - HE131	GaAsP / GaP	Hi-Eff Red	635	45		1.9	2.6	4.5	14.0	
BL - HD031	GaAlAs / GaAs	Super Red	660	20		1.7	2.6	16.0	50.0	
BL - HF031	GaAlAs / GaAlAs	Ultra Red	660	20		2.0	2.6	18.0	55.0	
BL - HJ031	AlGaInP	Super Orange	620	17		2.0	2.6	20.0	60.0	
BL - HK031	AlGaInP	Super Yellow	588	15		2.0	2.6	20.0	60.0	

- **DEVICE NUMBER :** BL - Hxxx1-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	1.55	0.061	1.60	0.062
Feed Hole Location	E	1.65	0.065	1.85	0.072
Centers Line Dimensions Length Direction	F	3.45	0.135	3.55	0.139
Compartment Depth	K ₀	1.22	0.048	1.42	0.056
Carrier Tape Overall Thickness	K	-	-	1.40	0.055
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	7.80	0.307	8.20	0.323
Flange Diameter	A	176.0	6.930	178.0	7.000
Hub Spindle Hole	C	12.50	0.492	13.50	0.531
Hub Diameter	D ₂	-	-	20.20	0.795
Fixing Tape Width	W ₁	5.25	0.206	5.75	0.226
Flange Space Between Flanges	T	14.40	0.567	15.00	0.590
Compartment Length	A ₀	3.20	0.126	3.30	0.130
Compartment Width	B ₀	3.20	0.126	3.30	0.130

