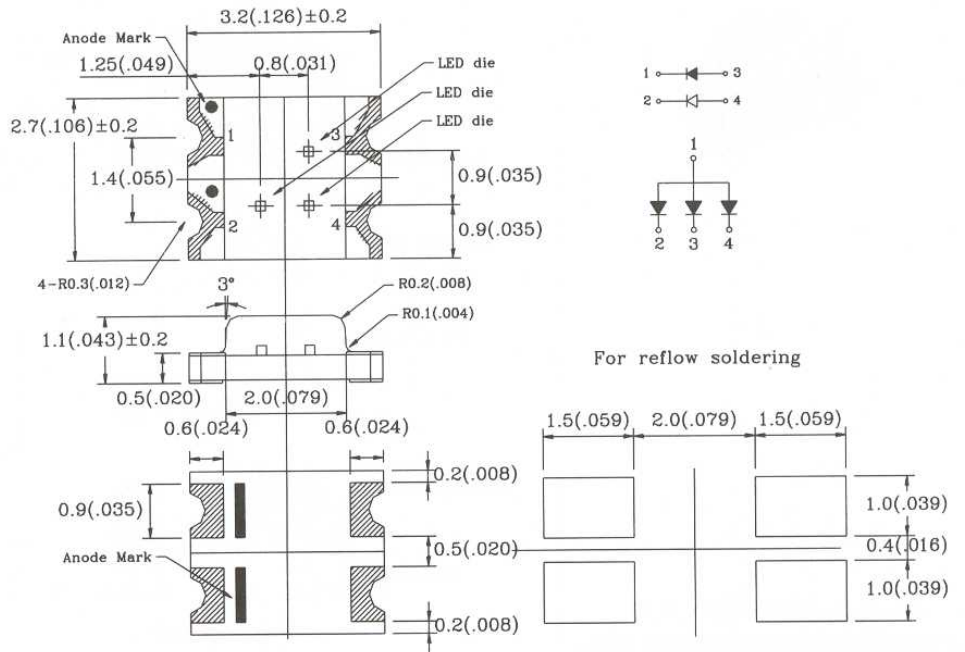


# SURFACE MOUNT DUAL-TRI COLOR LED LAMPS



## Multi-Color BL-Hxxxxxxx3F Series



**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.

Absolute Maximum Ratings(Ta=25°C)

	UNIT	SPEC.
IF	mA	30
IFp	mA	100
VR	V	5
Topr	°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)	λ d (nm)		Vf(V)		Iv(mcd)		
						Typ.	Max.	Min.	Typ.	
BL-HD0G033F	GaAlAs/GaAs	Super Red	660	643	Water Clear	1.8	2.6	8.2	20.0	120
	GaP/GaP	Green	568	571		2.2	2.6	2.4	10.0	
BL-HD1X133F	GaAlAs/GaAs	Super Red	660	643		1.8	2.6	12.3	25.0	
	GaP/GaP	Hi-Eff Green	568	570		2.2	2.6	5.5	12.0	
BL-HF0G333F	GaAlAs/GaAlAs	Super Red	660	643		2.1	2.6	18.5	35.0	
	AlGaInP	Yellow Green	573	571		2.2	2.6	28.0	45.0	
BL-HD1G4B433F	GaAlAs/GaAs	Super Red	660	643		1.8	2.6	12.3	25.0	
	InGaN	Bluish Green	505	505		3.5	4.0	63.0	120.0	
	InGaN	Super Blue	470	470		3.5	4.0	28.0	40.0	
BL-HD1X1B433F	GaAlAs/GaAs	Super Red	660	643		1.8	2.6	12.3	25.0	
	GaP/GaP	Hi-Eff Green	568	570		2.2	2.6	5.5	12.0	
	InGaN	Super Blue	470	470		3.5	4.0	28.0	40.0	