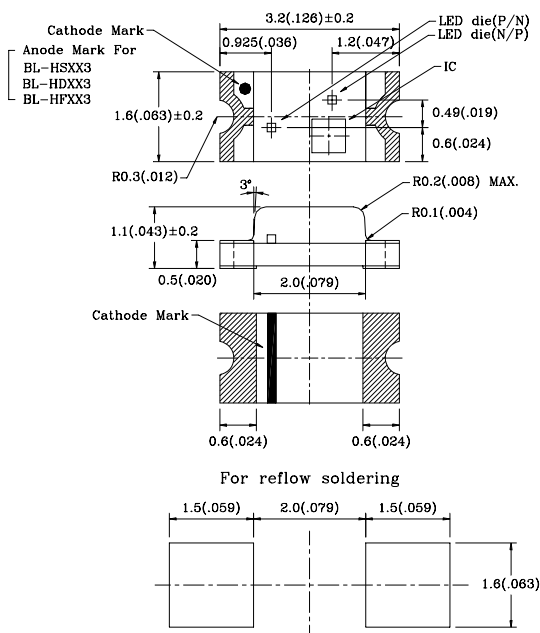




## BB-HXXX3-C Series



Absolute Maximum Ratings(Ta=25°C)

	UNIT	SPEC.
IF	mA	20
IFp	mA	100
V <sub>R</sub>	V	5
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	Forward Current		Pulse Rate(Hz) VDD=5V		I <sub>v</sub> (mcd)		Viewing Angle 2θ 1/2 (deg)±5	
	Material	Emitted Color	λ <sub>p</sub> (nm)		Typ.	Max.	Min.	Typ.	Max.	Min.		Typ.
BB-HH033-C	GaP/GaP	Bright Red	700	Water Clear	20	—	2.0	2.4	3.0	2.0	5.5	140
BB-HG033-C	GaP/GaP	Green	568		20	—	2.0	2.4	3.0	8.0	24.0	
BB-HX133-C	GaP/GaP	Hi-Eff Green	568		20	—	2.0	2.4	3.0	12.0	35.0	
BB-HW133-C	GaP/GaP	Pure Green	555		20	—	2.0	2.4	3.0	15.0	4.0	
BB-HY033-C	GaAsP/GaP	Yellow	585		20	—	2.0	2.4	3.0	6.0	20.0	
BB-HE033-C	GaAsP/GaP	Hi-Eff Red	635		20	—	2.0	2.4	3.0	6.0	24.0	
BB-HD133-C	GaAlAs	Super Red	660		20	—	2.0	2.4	3.0	15.0	45.0	
BB-HF033-C	GaAlAs	Ultra Red	660		20	—	2.0	2.4	3.0	25.0	75.0	
BB-HJ033-C	GI GaInP	Super Orange	620		20	—	2.0	2.4	3.0	28.0	85.0	
BB-HK033-C	GI GaInP	Super Yellow	588		20	—	2.0	2.4	3.0	28.0	85.0	