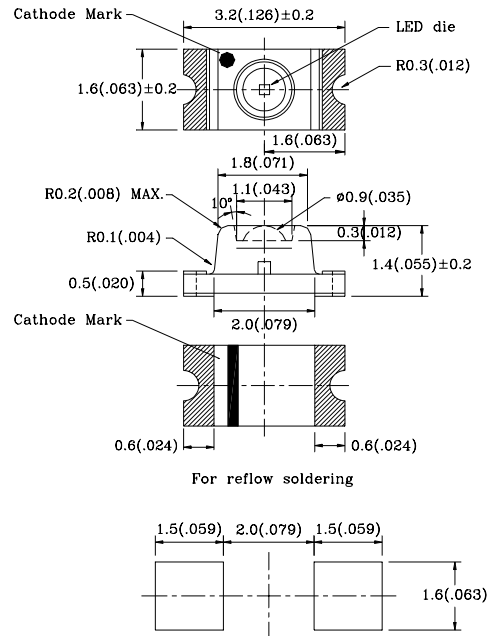




BIR-HXXX3A Series



Absolute Maximum Ratings(Ta=25°C)

	UNIT	SPEC.
IF	mA	30
IFP	A	1.0
VR	V	5
Top	°C	-25~+80
Tstg	°C	-30~+85

NOTE:

- 1.All dimensions are in millimeters(inches).
- 2.Tolerance is $\pm 0.10(0.004)$ " 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	Electro-Optical Data(At 20mA)					Ifp=20Ma PW=10us DC=10%		Viewing Angle 2θ 1/2 (deg)
	Material	λP (nm)		VF(V)		Ir (uA)	Radiant Power		Tr (ns)	Tf (ns)	
				Typ.	Max.		Min.	Typ.			
BIR-HL033A	GaAs	940	Water Clear	1.2	1.7	50	0.5	2.0	500	200	70
BIR-HM033A	GaAlAs	940	Water Clear	1.2	1.7	50	0.8	3.2	500	200	
BIR-HM133A	GaAlAs	940	Water Clear	1.2	1.7	50	1.0	4.0	500	200	
BIR-HN033A	GaAlAs	880	Water Clear	1.4	2.0	50	1.2	4.5	500	200	
BIR-HO033A	GaAlAs	850	Water Clear	1.4	2.0	50	2.0	8.0	500	200	