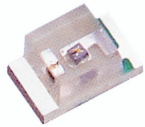
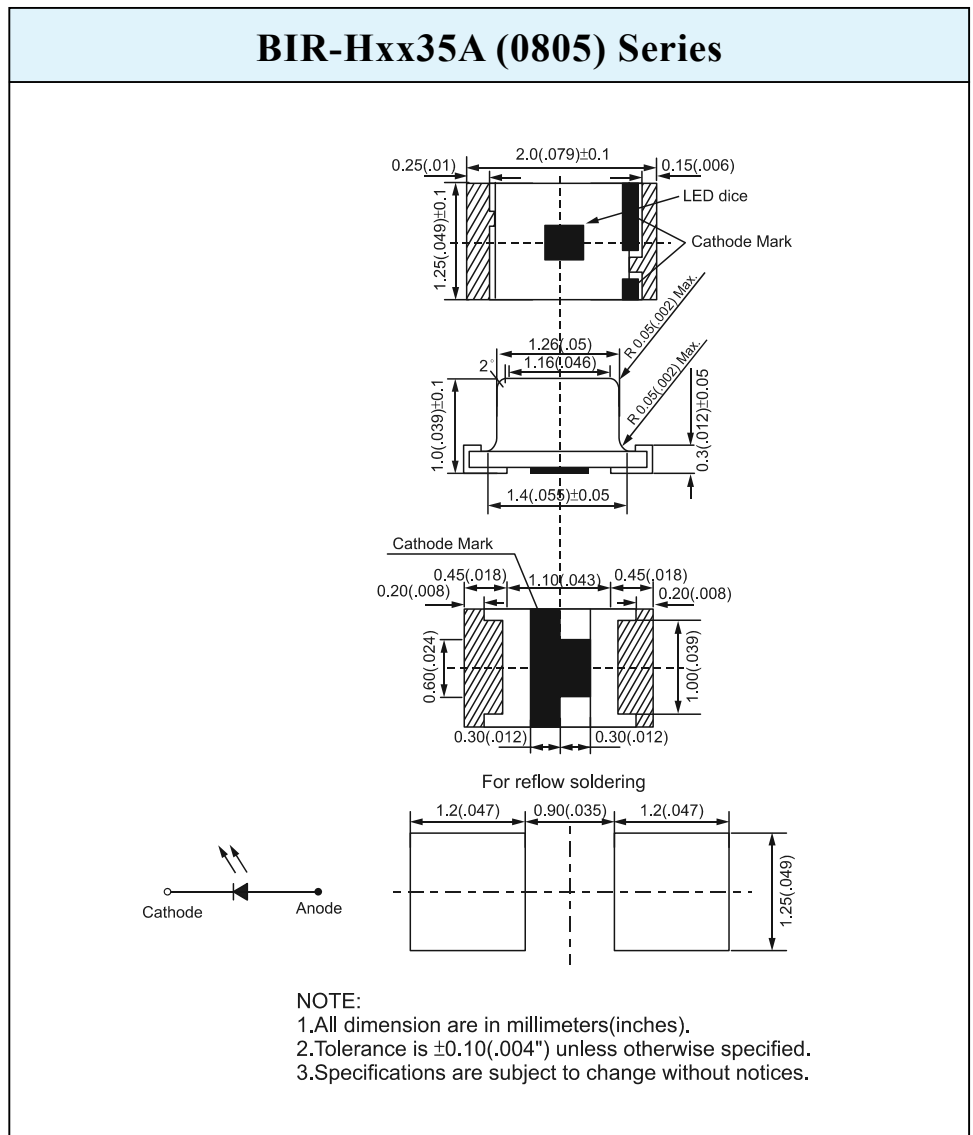


# SURFACE MOUNT INFRARED EMITTING DIODES



**Absolute Maximum Ratings**  
(Ta=25°C)

	UNIT	SPEC.
IF	mA	20
IFp	A	100
VR	V	5
Topr	°C	-40~+85
Tstg	°C	-40~+85



Part No.	Chip			Lens Appearance	Electro-optical Data (At 20mA)					Viewing Angle 2 θ 1/2 (deg)
	Material	λp (nm)	Δλ (nm)		V <sub>f</sub> (V)		I <sub>r</sub> (μA)	Radiant Power P <sub>o</sub> (mw/sr)		
					Typ.	Max.		Min.	Typ.	
BIR-HM135A	AlGaAs/GaAs	940	50	Water Clear	1.2	1.7	50	1.00	4.00	120°
BIR-HN035A	AlGaAs/GaAs	880	50		1.4	2.0	50	0.71	1.20	
BIR-HO035A	AlGaAs/GaAs	850	50		1.4	2.0	50	1.98	4.00	
BIR-HO135A	AlGaAs/GaAs	850	50		1.4	2.0	50	1.41	3.00	