

BRIGHT LED ELECTRONICS CORP.

INFRARED EMITTING DIODE SPECIFICATION

●COMMODITY : T-1 3/4 1.0"Lead, 5 φ

●DEVICE NUMBER : BIR-BM13E4G-2

VERSION : 1.0 / 1999,12,27

●APPLICATIONS

- Remote Control
- Smoke Detector
- Photo Detector
- Automatic Control System

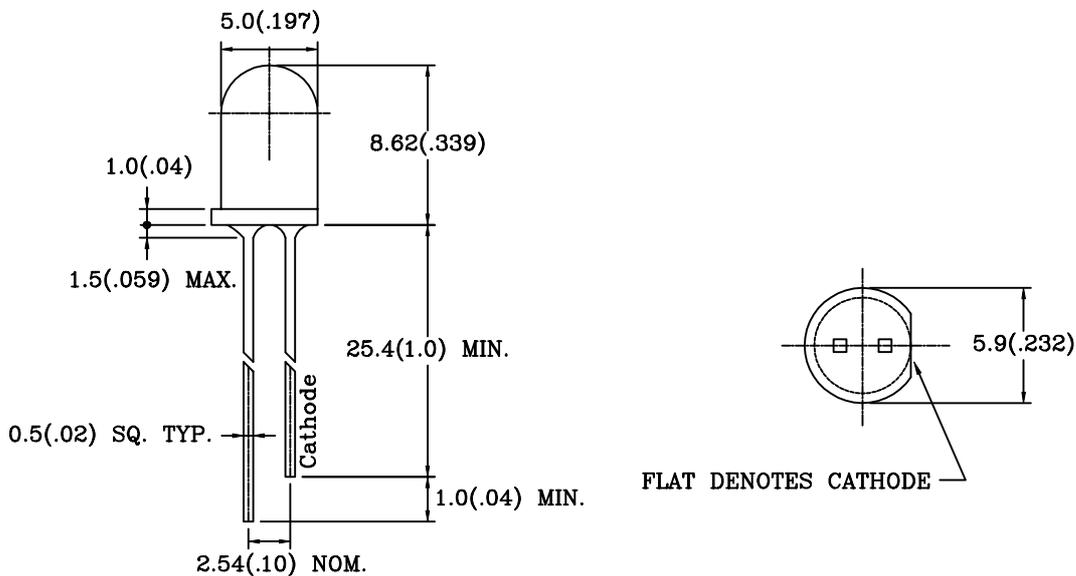
●ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

- Peak Forward Current (Pulse Width = 10us.10% Duty Cycle)
- Operating Temperature Range (-45°C to +85°C)
- Storage Temperature Range (-45°C to +100°C)
- Lead Soldering Temperature (1/16 inch from case 5sec 250°C)

●ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta=25°C)

Peak Wave Length λ P (nm)	Lens Appearance	Absolute Maximum Rating				Electro-optical Data(At 50mA)				Ifp=20mA PW=10uS DC=10%		Viewing Angle 2θ 1/2 (deg)	
		Δ λ (nm)	Pd (mW)	If (mA)	Peak (mA)	Ir (At 8V)	Vf(V)		Radiant Power		Tr (ns)		Tf (ns)
							Typ.	Max.	Min.	Typ.			
940	Water Clear	50	200	100	500	10uA	1.35	1.60	1.2	2.5	500	200	50

●Remark : Radiant Power Unit : (mw/cm²)



NOTES: 1.All dimensions are in millimeters (inches).

2.Tolerance is ± 0.5mm unless otherwise specified.

3.Lead spacing is measured where the leads emerge from the package.

4.Specifications are subject to change without notice.



RELEASED :



ENGINEER :

