

# BRIGHT LED ELECTRONICS CORP.

## INFRARED EMITTING DIODE SPECIFICATION



VERSION : 1.0 / 1999.10.25

●COMMODITY : T-1 3/4 Standard 1.0"Lead, 5  $\phi$

●DEVICE NUMBER : BIR-BM17J4Q-1

●APPLICATIONS

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

●ABSOLUTE MAXIMUM RATINGS ( Ta=25°C )

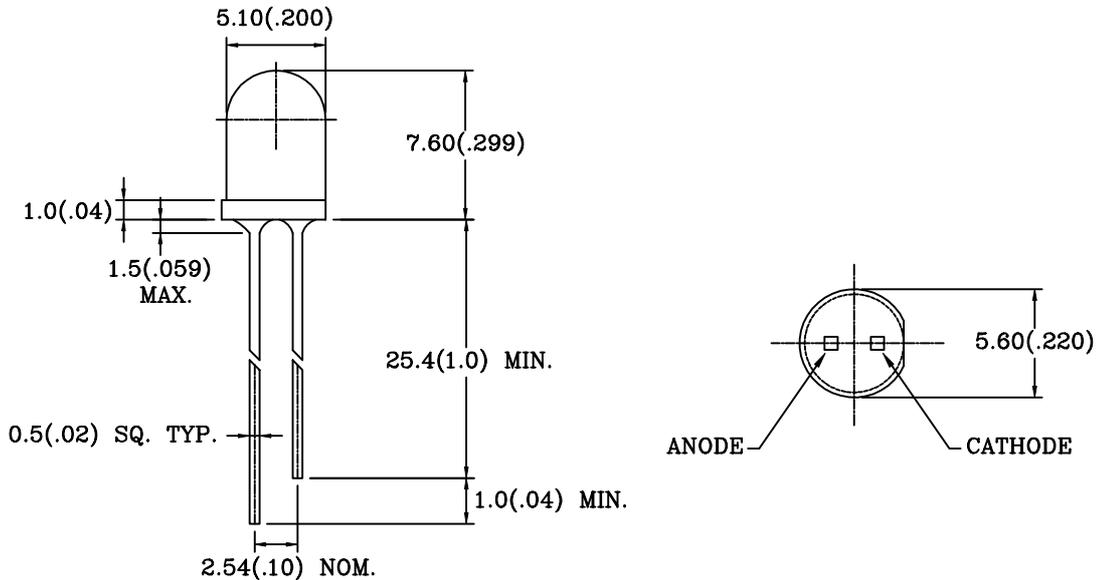
- Peak Forward Current ( Pulse Width = 10us.1% Duty Cycle )
- Operating Temperature Range ( -45°C to +85°C )
- Storage Temperature Range ( -45°C to +100°C )
- Lead Soldering Temperature ( 1/16 inch from case 5sec @250°C )

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

Peak Wave Length $\lambda$ P (nm)	Lens Appearance	Absolute Maximum Rating					Electro-optical Data(At 50mA)				Ifp=20mA PW=10uS DC=10%		Viewing Angle $2\theta$ 1/2 (deg)	
		$\Delta\lambda$ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Vr (V)	Ir $\leq$ (uA)	Vf(V)		Radiant Power		Tr (ns)		Tf (ns)
								Typ.	Max.	Min.	Typ.			
940	Blue Transparent	50	200	100	500	5	100	1.35	1.60	5.0	8.0	500	200	45

●Remark : •Radiant Power Unit : (mw/cm<sup>3</sup>)

•Trans. : Transparent



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

2.Tolerance is  $\pm 0.5$ mm 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 :

