

KB1805YC

YELLOW

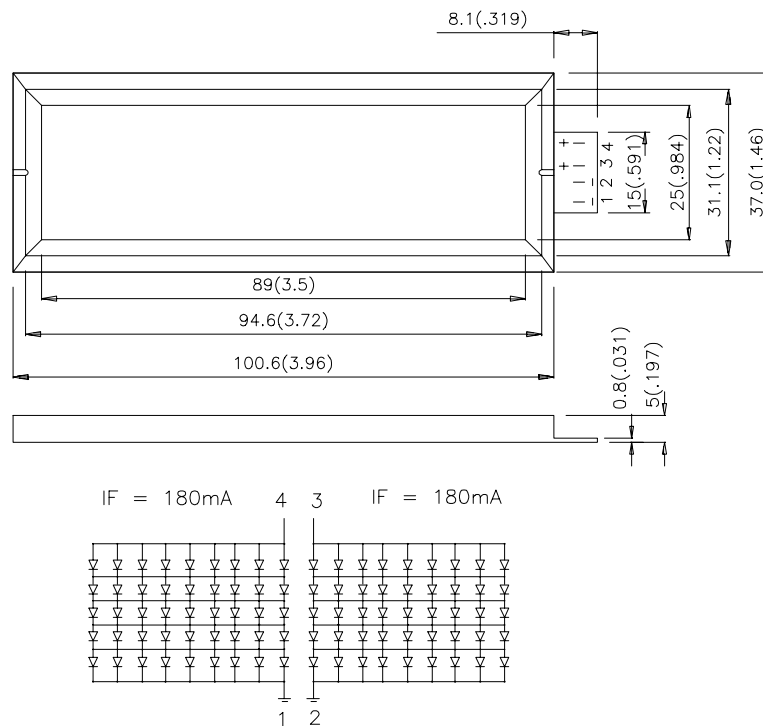
Features

- LOW POWER REQUIREMENTS.
- LARGE AREA, UNIFORM, BRIGHT LIGHT
EMITTING SURFACE.
- EASY FOR INSTALLATION.
- LOW POWER CONSUMPTION.

Description

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subjected to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (Lux) @ 20 mA	
			Min.	Typ.
KB1805YC	YELLOW (GaAsP/GaP)	WATER CLEAR	—	515

Electrical / Optical Characteristics at T_A=25°C

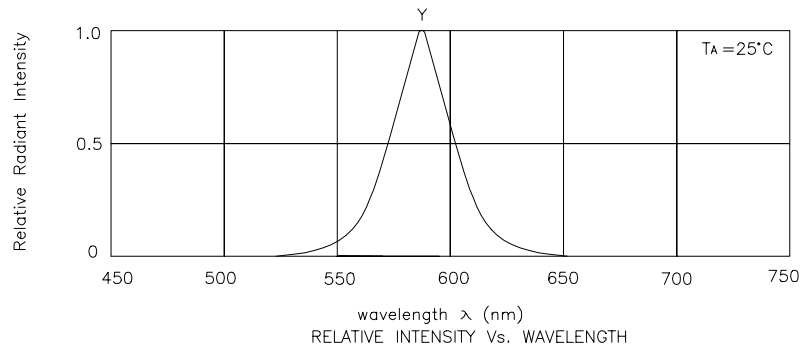
Symbol	Parameter	Min	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	—	590	—	nm	I _F =20mA
λ_D	Dominate Wavelength	—	588	—	nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	—	35	—	nm	I _F =20mA
V _F	Forward Voltage	—	10.5	11	V	I _F =360mA
I _R	Reverse Current	—	—	10	uA	V _R = 12V

Absolute Maximum Ratings at T_A=25°C

Parameter	Yellow	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

- 1/10 Duty Cycle, 0.1ms Pulse Width.
- 4mm below package base.



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