

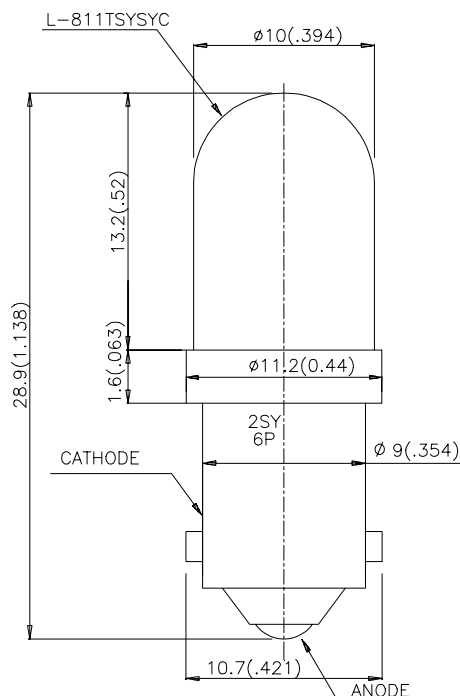
Features

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW CURRENT, POWER SAVINGS.
- LOW MAINTENANCE.
- SOLID STATE, HIGH VIBRATION RESISTANT.
- 6V INTERNAL RESISTOR.

Description

The Super Bright Yellow source color devices are made with DH InGaAlP on GaAs substrate Light Emitting Diode.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25 (0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V=6V		Viewing Angle
			Min.	Typ.	2θ1/2
BLB102SYC-6V-P	SUPER BRIGHT YELLOW (InGaAlP)	WATER CLEAR	650	1300	40°

Note:

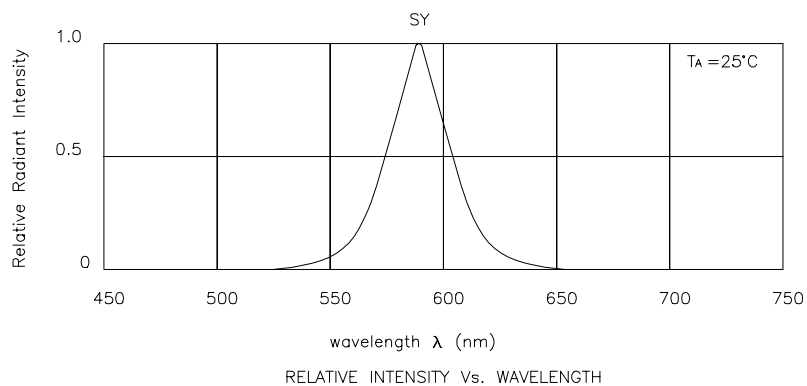
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Super Bright Yellow	590	-	nm	V _F =6V
λ _D	Dominate Wavelength	Super Bright Yellow	588	-	nm	V _F =6V
Δλ _{1/2}	Spectral Line Half-width	Super Bright Yellow	28	-	nm	V _F =6V
I _F	Forward Current	Super Bright Yellow	21	-	mA	V _F =6V
C	Capacitance	Super Bright Yellow	25	-	pF	V _F =0V; f=1 MHz
I _R	Reverse Current	Super Bright Yellow	-	10	μA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Super Bright Yellow	Units
Power Dissipation	150	mW
Forward Voltage	7	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	



Super Bright Yellow

BLB102SYC-6V-P

