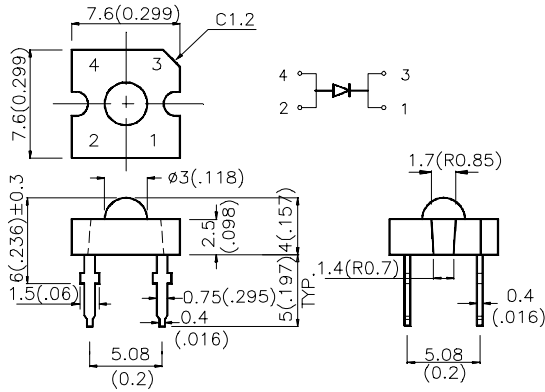


Package Dimensions

7.6mmx7.6mm SUPER FLUX

E7676CSEC SUPER BRIGHT ORANGE



Features

- 1.SUPER FLUX OUTPUT.
- 2.DESIGN FOR HIGH CURRENT OPERATION.
- 3.OUTSTANDING MATERIAL EFFICIENCY.
- 4.RELIABLE AND RUGGED.

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 subject to change without notice.

Description

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

Selection Guide

Part No.	Emitting Color +Material	$\lambda D(nm)$	Lens Type	Iv (mcd) @ 20 mA *70mA		Viewing Angle
				Min.	Typ.	2 θ 1/2
E7676CSEC	InGaAlP	601	WATER CLEAR	300	600	70°
				*1300	*1800	70°

Notes:

1. $\theta 1/2$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
- 2.*Luminous intensity with asterisk is measured at 70mA.

Electrical / Optical Characteristics at $T_A=25^\circ\text{C}$

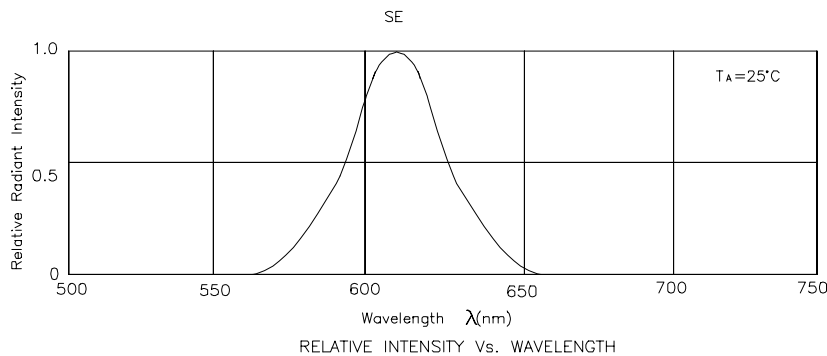
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Orange	610		nm	$I_F=20\text{mA}$
λ_D	Dominate Wavelength	Super Bright Orange	601		nm	$I_F=20\text{mA}$
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	Super Bright Orange	29		nm	$I_F=20\text{mA}$
C	Capacitance	Super Bright Orange	30		pF	$V_F=0\text{V}; f=1\text{MHz}$
V_F	Forward Voltage	Super Bright Orange	2.0	2.5	V	$I_F=20\text{mA}$
I_R	Reverse Current	Super Bright Orange		10	μA	$V_R = 5\text{V}$

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

Parameter	Super Bright Orange	Units
Power dissipation	75	mW
DC Forward Current	30	mA
Peak Forward Current [1]	195	mA
Reverse Voltage	5	V
Operating /Storage Temperature	-40°C To +85°C	
Lead Soldering Temperature[2]	260°C For 5 Seconds	

Notes:

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



Super Bright Orange E7676CSEC

