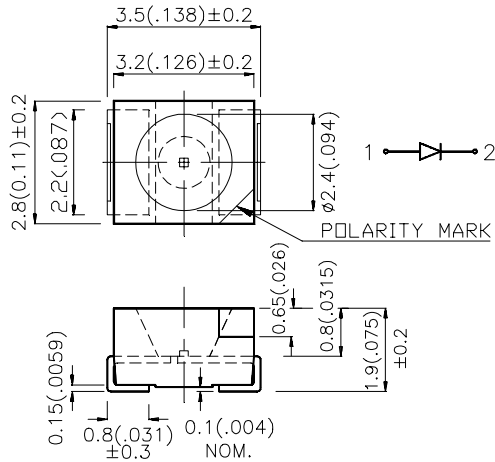


Package Dimensions

3.5x2.8mm SURFACE MOUNT LED LAMP

EA3528SEC

SUPER BRIGHT ORANGE



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.

Features

1. SINGLE COLOR.
2. SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS
3. AVAILABLE ON TAPE AND REEL.
4. IDEAL FOR BACKLIGHT

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		Viewing Angle
				Min.	Typ.	2 θ 1/2
EA3528SEC	InGaAlP	601	WATER CLEAR	200	350	120°

Note:

1. $\theta 1/2$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

DATA NO :EA0136

REV NO :V1

DATE :AUG/30/2001

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

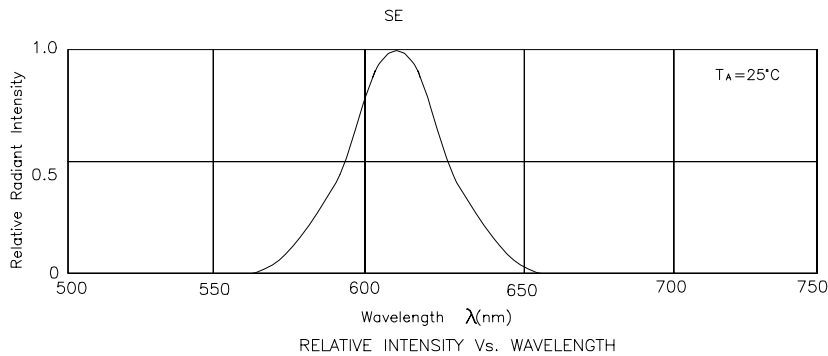
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Orange	610		nm	$I_F=20\text{mA}$
λ_D	Dominate Wavelength	Super Bright Orange	601		nm	$I_F=20\text{mA}$
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	Super Bright Orange	29		nm	$I_F=20\text{mA}$
C	Capacitance	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 $T_A=25^\circ\text{C}$

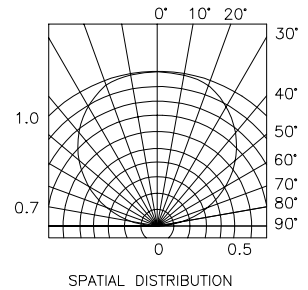
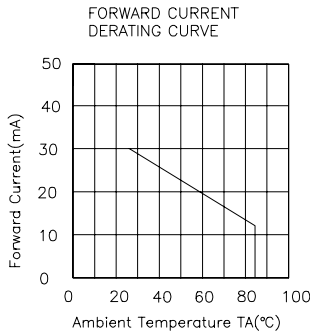
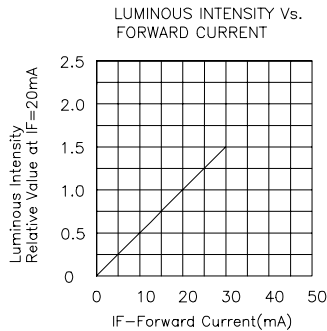
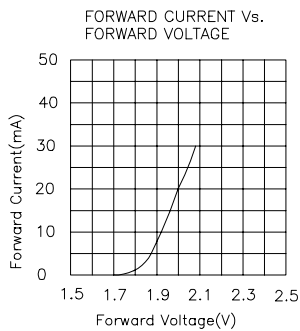
Parameter	Super Bright Orange	Units
Power dissipation	75	mW
DC Forward Current	30	mA
Peak Forward Current [1]	195	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

- 1/10 Duty Cycle, 0.1ms Pulse Width.

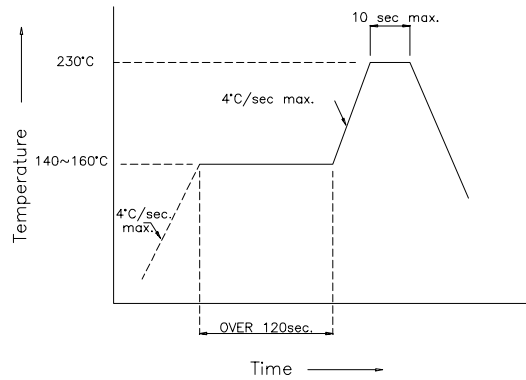


Super Bright Orange EA3528SEC

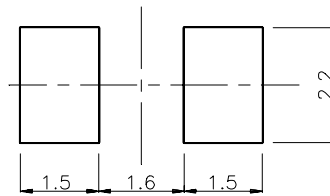


EA3528SEC SMT Reflow Soldering Instructions

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.



EA3528SEC Recommended Soldering Pattern (Units : mm)



EA3528SEC Tape Specifications (Units : mm)

PACKAGE : 1500PCS / REEL

