Kingbright

3.5x2.8mm SINGLE COLOR SURFACE **MOUNT LED LAMP**

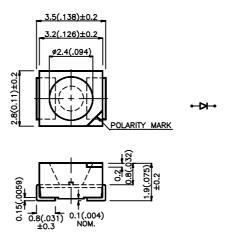
KA3528NC

Features

- •SINGLE COLOR AND BI-COLOR SMT LED.
- ●BOTH CHIPS CAN BE CONTROLLED SEPARATELY.
- •SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS.
- •AVAILABLE ON TAPE AND REEL.
- •IDEAL FOR BACKLIGHTING.

Description

The Pure Orange source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Pure Orange Light Emitting Diode



- Notes:

 1. All dimensions are in millimeters (inches).

 2. Tolerance is: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	lv (mcd) @ 20 mA		Viewing Angle
			Min.	Max.	2q1/2
KA3528NC	PURE ORANGE (GaAsP/GaP)	WATER CLEAR	12.5	40	120°

Electrical / Optical Characteristics at T $_A$ =25 $^{\circ}$ C

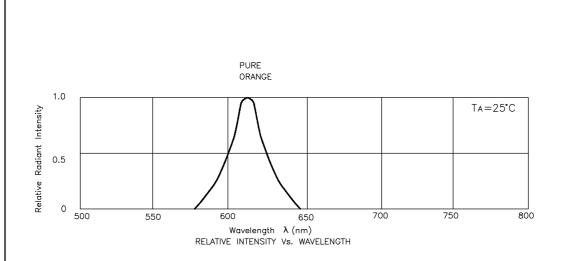
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	Pure Orange	610		nm	IF=20mA	
Δλ1/2	Spectral Line Halfwidth	Pure Orange	35		nm	IF=20mA	
С	Capacitance	Pure Orange	15		pF	VF=0V;f=1MHz	
V _F	Forward Voltage	Pure Orange	2.0	2.6	V	IF=20mA	
I _R	Reverse Current	All	10		uA	VR = 5V	

Absolute Maximum Ratings at T $_{A}$ =25 $^{\circ}$ C

Parameter	Pure Orange	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	٧
Operating/Storage Temperature	-40 ° C To +85 ° C	

Note: 1. 01/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

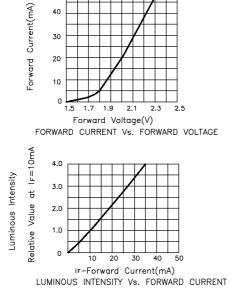
Note: 1. 1/10 Duty Cycle, 0.1ms Pulse Width .

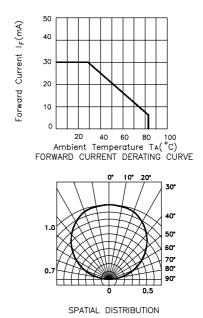


Pure Orange KA3528NC

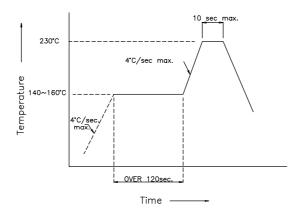
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40 30





KA3528NC SMT Reflow Soldering Instructions



KA3528NC Recommended Soldering Pattern

(Units : mm)

