T-1 3/4 (5mm) VARIABLE HEIGHT LED BOARD INDICATOR

Part Number: L-7113BR-17.8/YD

Yellow

Features

• LED firmly held by spacer-no additional fixturing or glueing necessary.

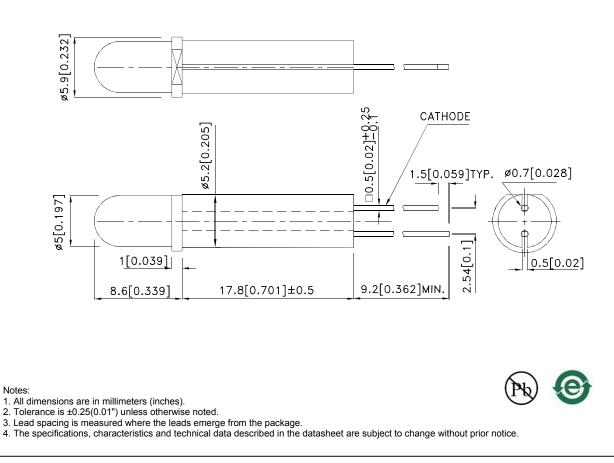
• Suitable for back panel illumination, circuit board indicator, LED indicator.

- Housing UL rating: 94V-0.
- Housing material: type 66 nylon.
- · RoHS compliant.

Description

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

Package Dimensions



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Selection Guide

Selection Guide					
Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]
			Min.	Тур.	201/2
L-7113BR-17.8/YD	Yellow (GaAsP/GaP)	Yellow Diffused	10	25	30°

Notes:

θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Yellow	588		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	I⊧=20mA
С	Capacitance	Yellow	20		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Yellow	2.1	2.5	V	I⊧=20mA
lr	Reverse Current	Yellow		10	uA	VR = 5V

Notes:

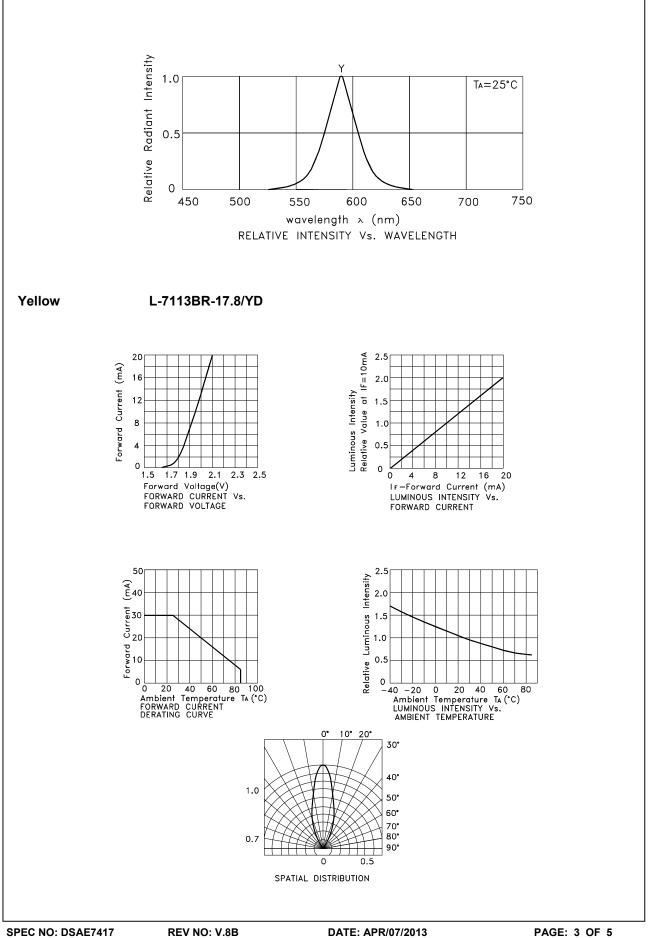
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

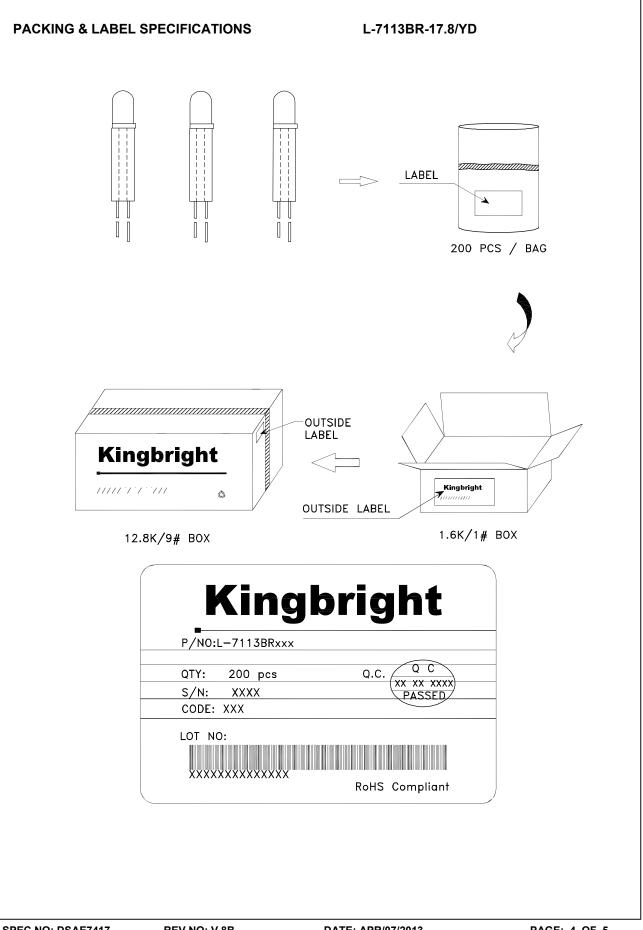
Absolute Maximum Ratings at TA=25°C

Parameter	Yellow	Units		
Power dissipation	75	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 3 Seconds			
Lead Solder Temperature [3]	260°C For 5 Seconds			

Notes:

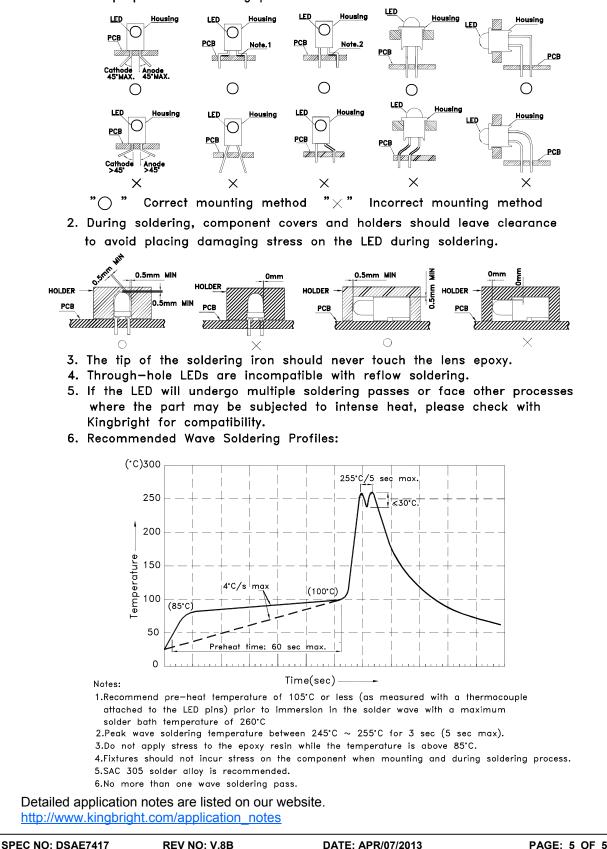
1.1/10 Duty Cycle, 0.1ms Pulse Width.
2.2mm below package base.
3.5mm below package base.





PRECAUTIONS

1. The lead pitch of the LED must match the pitch of the mounting holes on the PCB during component placement. Lead—forming may be required to insure the lead pitch matches the hole pitch. Refer to the figure below for proper lead forming procedures.



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