Kingbright

8mm BI-COLOR INDICATOR LAMP

P/N: L-799EGW HIGH EFFICIENCY RED/GREEN

Features

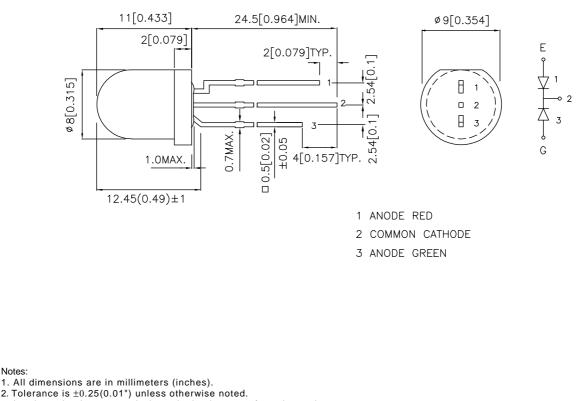
- **•**UNIFORM LIGHT OUTPUT.
- •LOW POWER CONSUMPTION.
- •MILKY WHITE DIFFUSION LENS.
- •3 LEADS WITH ONE COMMON LEAD.
- ●I.C. COMPATIBLE.
- •LONG LIFE SOLID STATE RELIABILITY.
- •RoHS COMPLIANT.

Description

The High Efficiency Red source color devices are made With Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

Package Dimensions



3. Lead spacing is measured where the lead emerge from the package.

4. Specifications are subject to change without notice.

Notes:

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Selection Guide lv (mcd) @ 20mA Viewing Angle Part No. Dice Lens Type **2** θ**1/2** Min. Тур. HIGH EFFICIENCY RED (GaAsP/GaP) 36 80 L-799EGW WHITE DIFFUSED 50° 50 GREEN (GaP) 18

Note:

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

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red Green	627 565		nm	I _F =20mA
λD	Dominant Wavelength	High Efficiency Red Green	625 568		nm	I _F =20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red Green	45 30		nm	I _F =20mA
С	Capacitance	High Efficiency Red Green	15 15		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	High Efficiency Red Green	2.0 2.2	2.5 2.5	V	I _F =20mA
I _R	Reverse Current	High Efficiency Red Green		10 10	uA	$V_R = 5V$

Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	Green	Units		
Power dissipation	105 105		mW		
DC Forward Current	30	25	mA		
Peak Forward Current [1]	160	140	mA		
Reverse Voltage	5	5	V		
Operating/storage Temperature	-40°C To +85°C				
ead Solder Temperature [2] 260°C For 3 Seconds					
Lead Solder Temperature [3]	260°C For 5 Seconds				

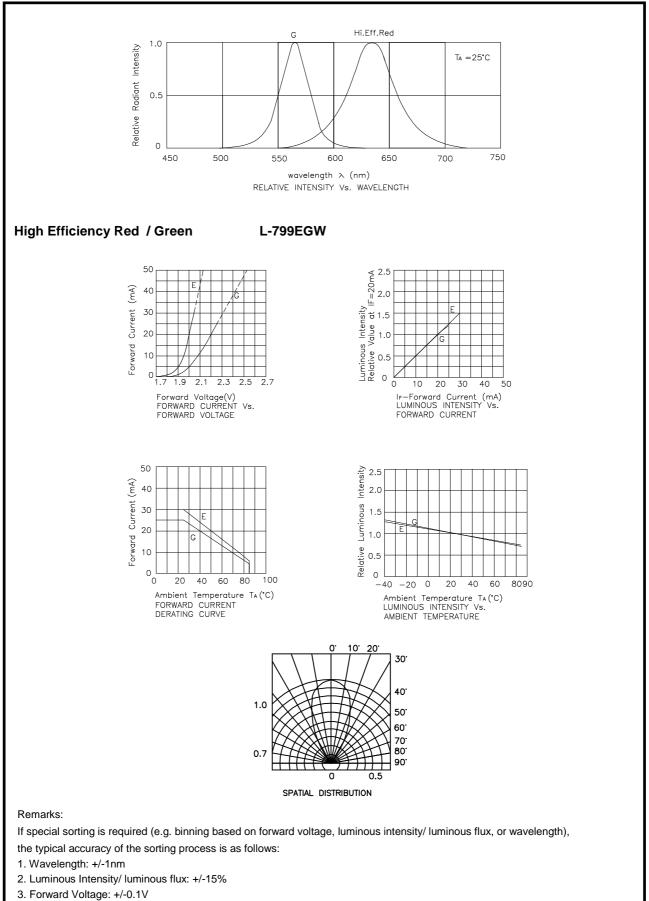
Notes:

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

2. 2mm below package base.

3. 5mm below package base.

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