Kingbright

T-1 (3mm) SOLID STATE LAMP

L-934LGD

GREEN

Description Features •LOW POWER CONSUMPTION. The Green source color devices are made •POPULAR T-1 DIAMETER PACKAGE. with Gallium Phosphide Green Light Emitting •GENERAL PURPOSE LEADS Diode. •RELIABLE AND RUGGED. •LONG LIFE - SOLID STATE RELIABILITY. •AVAILABLE ON TAPE AND REEL. •LOW CURRENT IF=2mA OPERATING. •RoHS COMPLIANT. **Package Dimensions** 4.6(.181)±0.3 27(1.063)MIN 1.5(.06)TYP Ø3.2(.126) 1(.04)CATHODE 114 7 ö 1) 54(6 5 00 0.5(0.02) MAX. ±0.05 1.0 MAX. .8(0. 5.4(0.213) \sim Ø2. ± 0.5 0 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 leads emerge from the package.

4. Specifications are subject to change without notice.

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Selection Guide								
Part No.	Dice	Lens Type	lv (mcd) @ 2mA		Viewing Angle			
			Min.	Тур.	201/2			
L-934LGD	GREEN (GaP)	GREEN DIFFUSED	0.7	2	60°			

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 T_A=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	565		nm	I⊧=20mA
λD	Dominant Wavelength	Green	568		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Green	30		nm	IF=20mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
Vf	Forward Voltage	Green	2.2	2.5	V	IF=20mA
IR	Reverse Current	Green		10	uA	VR = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Green	Units		
Power dissipation 105		mW		
DC Forward Current	25	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			

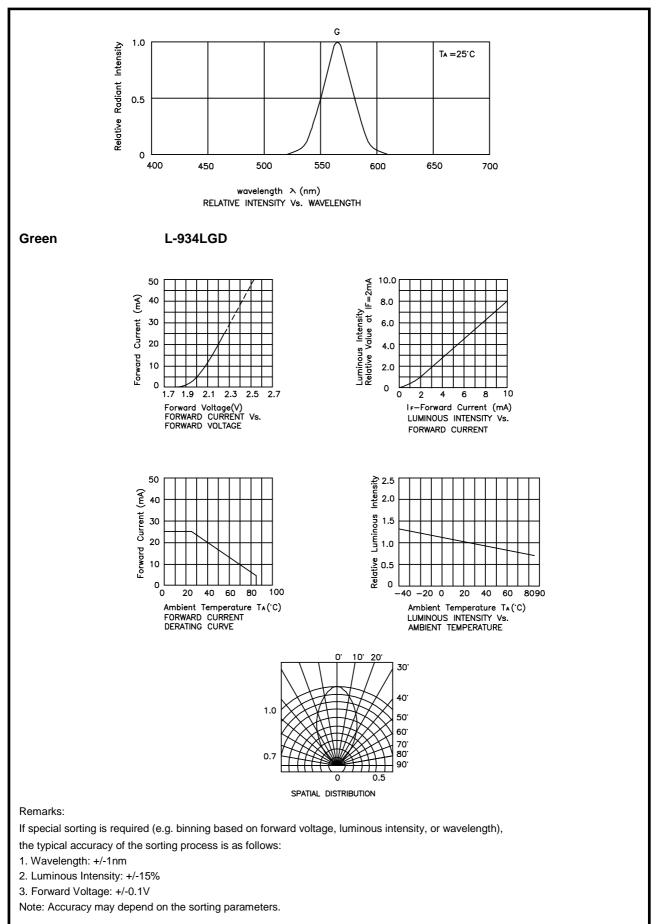
Notes:

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

2. 2mm below package base.

3. 5mm below package base.

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