

Feature

- Low Power Consumption
- I.C. compatible

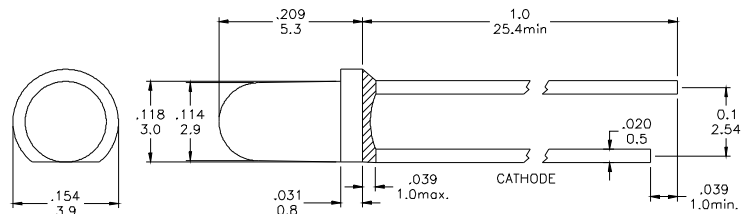
Applications

- Commercial Outdoor Sign Board
- Front Panel Indicator
- Dot-Matrix Module
- LED Bulb

Description

- These LEDs are Based on GaP/GaP Material Technology
- Emitted color: Green
- Green Diffusion Lens

Package Dimension



* Tolerance: $\frac{0.01}{0.25}$ Unit: $\frac{\text{inch}}{\text{mm}}$

Absolute Maximum Ratings at Ta=25°C

Symbol	Parameter	Max.	Unit
PD	Power Dissipation	120	mW
VR	Reverse Voltage	5	V
IAF	Average Forward Current	30	mA
IPF	Peak Forward Current (Duty=0.1, 1kHz)	100	mA
—	Derating Linear Form 25°C	0.4	mA / °C
Topr	Operating Temperature Range	- 40 to + 80	°C
Tstg	Storage Temperature Range	- 40 to + 100	°C
Lead Soldering Temperature [1.6mm (0.063inch) From Body] 260°C For 5 Seconds.			

Electrical / Optical Characteristics and Curves at Ta=25°C

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
VF	Forward Voltage	IF = 20 mA		2.2	2.4	V
IR	Reverse Current	VR = 5 V			50	μA
$\triangle \theta$	Half Intensity Angle	IF = 20 mA		60		Deg.
IV	Luminous Intensity	IF = 20 mA		80		mcd.
λ_d	Dominant Wavelength	IF = 20 mA		570		nm

Electrical Characteristics at Ta=25°C

Symbol	I _v		V _F		λ D	
Parameter	Luminous Intensity		Forward Voltage		Dominant Wavelength	
Condition	IF = 20mA		IF = 20mA		IF = 20mA	
Unit	mcd		V		nm	
Binning	Grade	Range	Grade	Range	Grade	Range
	--	--	D	2.0~2.1	G7	567~569
	--	--	E	2.1~2.2	G8	569~571
			F	2.2~2.3	G9	571~573
			G	2.3~2.4		

Intensit : Tolerance of minimum and maximum = $\pm 15\%$

V_F: Tolerance of minimum and maximum = $\pm 0.05\text{v}$

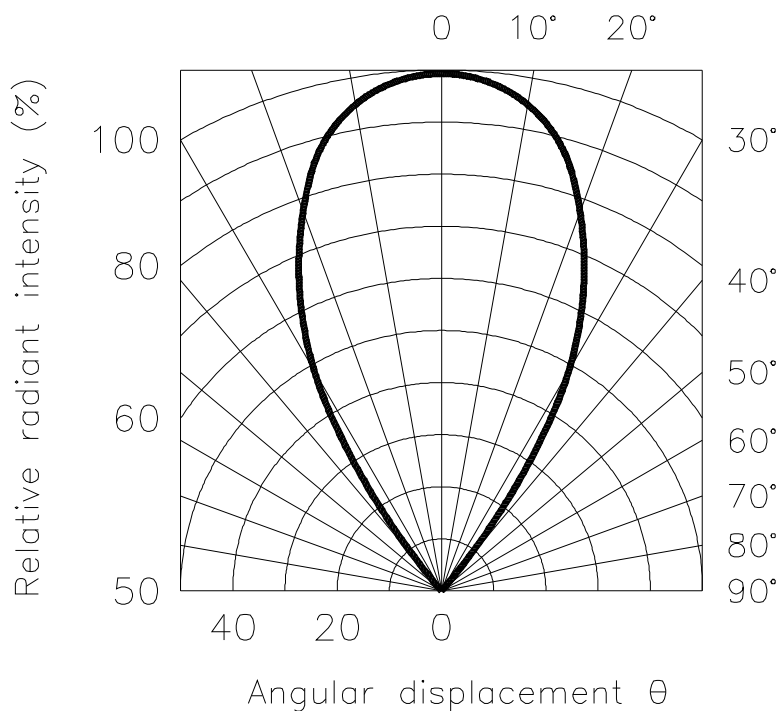
NOTE:

1. Static electricity and surge damages the LED. It is recommend to use a anti-static wrist band or anti-electrostatic glove when handing the LEDs. All devices, equipment and machinery must be properly grounded.
2. Specific binning requirements- please contact our home office

Radiation Diagram

IF=20 mA 50% Power Angle Angle =60°

Radiation Diagram



GREEN

Typical Electro-optical Characteristic Curves (25 °C Free Air Temperature Unless Otherwise Specified)

