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Datasheet

Item no. 1573733

V1_0617_01_DT_ds_en

Features

- · High efficiency
- Low Power consumption
- General purpose leads
- Selected minimum intensities
- · Available on tape and reel
- Pb free



- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors, intensities, epoxy colors, etc
- Superior performance in outdoor environment

Usage Notes:

• When using LED, it must use a protective resistor in series with DC current about 20mA

Applications

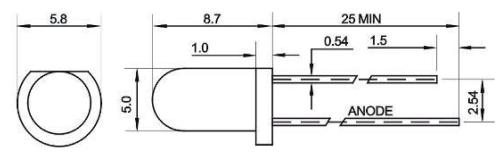
- Status indicators
- Commercial use
- Advertising Signs
- Back lighting.



Device Selection Guide

Cł	nip	Laura Oalan	
Material	Emitted Color	Lens Color	
InGaN	White	Water clear	

Package Dimensions



UNIT:mm

Notes:

- Other dimensions are in millimeters, tolerance is 0.25mm except being specified.
- Protruded resin under flange is 1.5mm Max LED.
- Bare copper alloy is exposed at tie-bar portion after cutting.

Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Pulse Current	I_{FPM}	70	mA
Forward Current	I_{FM}	30	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P_{D}	140	mW
Operating Temperature	Topr	-40~+80	$^{\circ}$
Storage Temperature	Tstg	-40~+100	$^{\circ}$
Soldering Heat (5s)	Tsol	260	$^{\circ}$

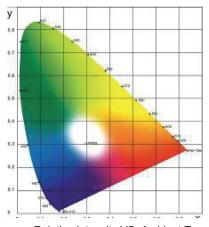
Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	I_{V}	4000		6000	mcd	IF=20mA(Note 1)
Viewing Angle	$2\theta_{1/2}$		15		Deg	(Note 2)
Peak Emission Wavelength	λр				nm	IF=20mA
Spectral Line Half-Width	Δλ	25	30	35	nm	IF=20mA
Forward Voltage	V_{F}	2.9		3.5	V	IF=20mA
Reverse Current	I_R			10	μА	VR=5V

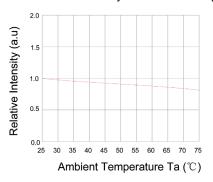
Note:

- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

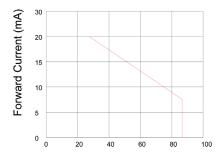
Typical Electro-Optical Characteristics Curves



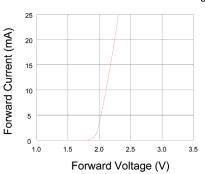
Relative Intensity VS. Ambient Temp



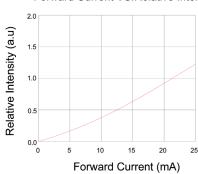
Forward Current VS.Ambient Temp.



Forward Current VS.Forward Voltage



Forward Current VS.Relative Intensity



Radiation Characteristics

