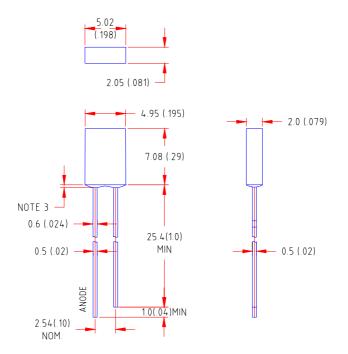


Features

- High intensity
- 2*5mm rectangle package
- Wide viewing angle
- General purpose leads
- Reliable and rugged

Package Dimension:



Part NO.	Chip Material	Lens Color	Source Color
LL-253BM2F-0 02	GaInN	White Diffused	Super Bright Blue

Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is $\pm 0.25(.010")$ mm unless otherwise noted.
- 3. Protruded resin under flange is 1.0mm(.04") max.
- 4. Lead spacing is measured where the leads emerge from the package.
- 5. Specifications are subject to change without notice.
- 6. Caution in ESD:
 - Siatic Electricity and surge damages the LED. It is recommend to use a wrist band or anti-electrostatic glove when handling the LED.All devices, equipment and machinery must be properly grounded.
- 7. This data-sheet only valid for six months.

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Absolute Maximum Ratings at Ta=25

Parameter	MAX.	Unit	
Power Dissipation	100	mW	
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA	
Continuous Forward Current	35	mA	
Derating Linear From 50	0.4	mA/	
Reverse Voltage	5	V	
Operating Temperature Range	-40 to +80	-40 to +80	
Storage Temperature Range	-40 to +80	-40 to +80	
Lead Soldering Temperature [4mm(.157") From Body]	260 for 5 Se	260 for 5 Seconds	

Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	lv	23	65	110	mcd	I=20mA (Note 1)
Viewing Angle	2 1/2	140	150	160	Deg	(Note 2)
Peak Emission Wavelength	р	463	468	473	Nm	I=20mA
Dominant Wavelength	d	460	470	480	Nm	I=20mA (Note 3)
Spectral Line Half-Width		35	40	45	Nm	I=20mA
Forward Voltage	V_{F}	2.8	3.6	4.0	V	I=20mA
Reverse Current	R			100	μA	V _R =5V

Note:

- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3. The dominant wavelength (d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

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