

Features

- LOW POWER CONSUMPTION.
- IDEAL FOR BACKLIGHTING.

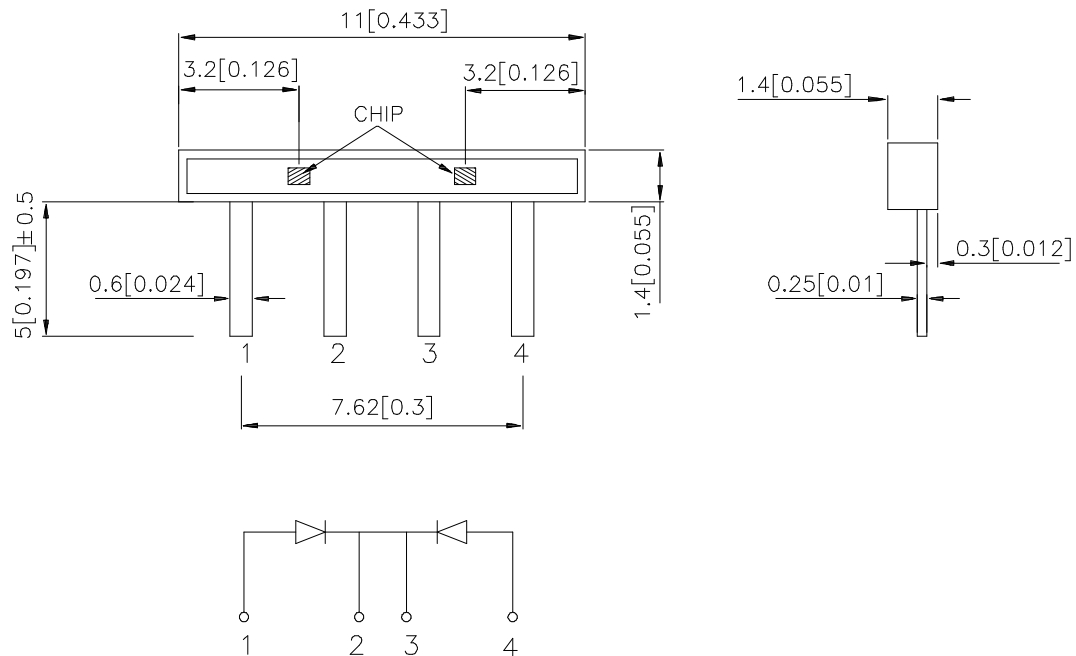
Description

The Blue source color devices are made with GaN on SiC Light Emitting Diode.

Static electricity and surge damage the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 (0.01") unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20mA		Viewing Angle
			Min.	Typ.	2θ1/2
AA1114/2MBC/CC	BLUE (GaN)	WATER CLEAR	4	10	120°

Note:

1. θ1/2 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	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Blue	430		nm	I _F = 20 mA
λ _D	Dominate Wavelength	Blue	466		nm	I _F = 20 mA
Δλ _{1/2}	Spectral Line Half-width	Blue	60		nm	I _F = 20 mA
C	Capacitance	Blue	100		pF	V _F = 0 V; f = 1 MHz
V _F	Forward Voltage	Blue	3.8	4.5	V	I _F = 20 mA
I _R	Reverse Current	Blue		10	uA	V _R = 5 V

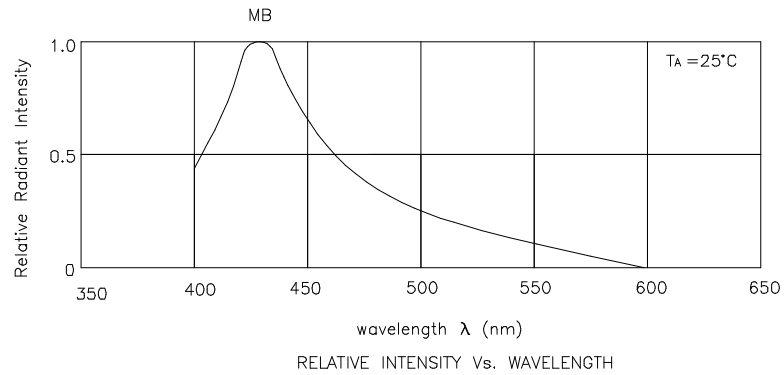
Absolute Maximum Ratings at T_A=25°C

Parameter	Blue	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating / Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

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

2. 2mm below package base.



Blue

AA1114/2MBC/CC

