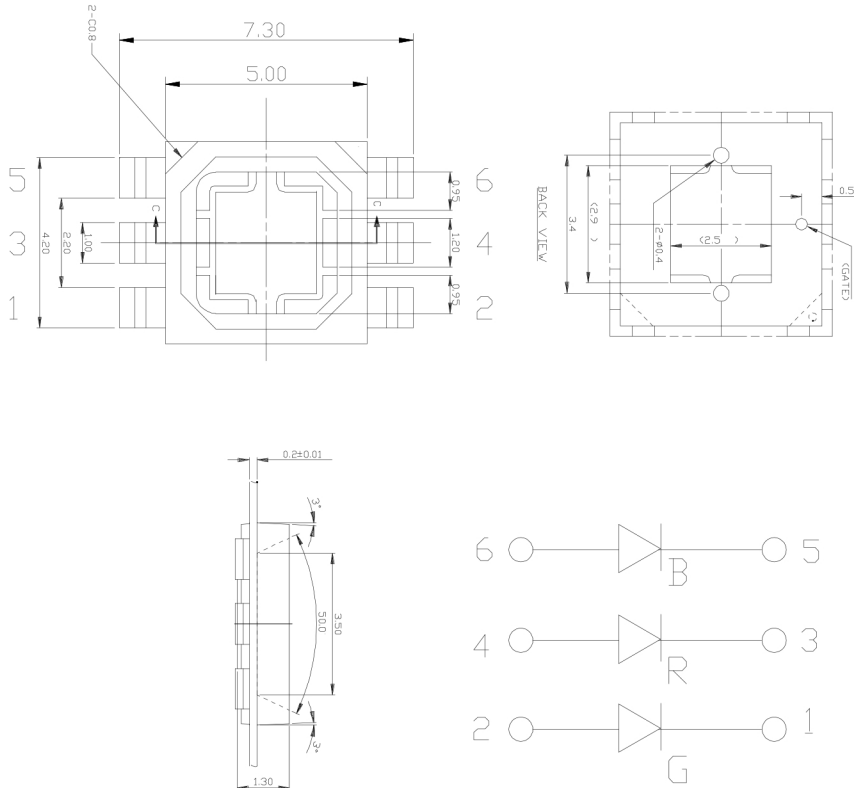


Features:

- ◆ High intensity
- ◆ Surface Mount Package
- ◆ Red&Green&Blue 3in1
- ◆ Reliable and rugged

Package Dimensions:



Part No.	Chip Material	Lens Color	Source Color
	InGaN& AlGaN	Water Clear	RGB

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ ($.010''$) 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. Precautions for **ESD**:

STATIC SHIELD Electricity and surge damages the **LED**. It is recommended 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.

Absolute Maximum Ratings at Ta=25°C

Parameter	MAX.	Unit
Power Dissipation	1200	mW
Peak Forward Current (1/10 Duty Cycle,0.1ms Pulse Width)	200	mA
Continuous Forward Current	150	mA
Junction temperature	115	°C/W
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +80°C	
Storage Temperature Range	-40°C to +80°C	
Lead Soldering Temperature [4mm(.157")From Body	260°C for 5 Seconds	

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Typ.	Max	Unit	Test Condition
luminous flux	ϕ	R25 G45 B10	--	R35 G55 B15	lm	I _f =150mA(Note 1)
Viewing Angle	$2\theta_{1/2}$		120		Deg	(Note 2)
Peak Emission Wavelength	λ_p	R620 G520 B465		R625 G525 B470	nm	I _f =150mA
Color Temperature	TC	--	--	--	K	I _f =150mA(Note 3)
Forward Voltage	V _f	R:2.0 G.B:3.0		R:2.4 G.B:3.2	V	I _f =150mA
Reverse Current	I _R	---	---	10	μ A	V _R =5V

Notes:

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.
3. The dominant wavelength(λ_d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.