

Green PLCC4 Surface Mount LED

[查询 OVSAGBC2R8 供应商](#)

OVSAGBC2R8

- High intensity with low power consumption
- White PLCC4 packaged in 8mm tape on 7" diameter reel
- Compatible with automatic placement equipment
- Dimensions: 3.5x2.8x1.95mm
- 120° viewing angle

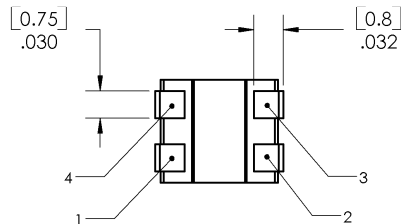
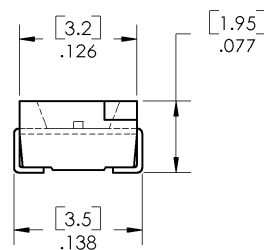
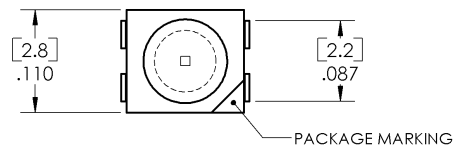


The OVSAGBC2R8 is designed for wide angle, uniform light output. Its internal reflector and colorless clear lens optimize luminous intensity and make it ideal for backlighting applications and for coupling with light guides.

Applications

- Traffic Lights
- Signal and Symbol Luminaire
- Mono-color Indicators
- Backlighting (LCD, Switches, Displays, Illuminated Advertising)
- Interior Automotive Lighting (Instrumentation Clusters)
- Safety Marker Lights (Steps, Exit Ways)

Part Number	Material	Emitted Color	Intensity Typ. mcd	Lens Color
OVSAGBC2R8	InGaN	Green	700	Water Clear



1, 2, 3 CATHODE 4 ANODE
DIMENSIONS ARE IN INCHES
AND [MILLIMETERS].



Data is subject to change without prior notice.

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Absolute Maximum Ratings

T_A = 25° C unless otherwise noted

Storage Temperature Range	-40 ~ +100°C
Operating Temperature Range	-40 ~ +100°C
Junction Temperature	110°C
Junction/Ambient ¹	350°C/W
Junction/Solder Point	200°C/W
Reverse Voltage	5 V
Continuous Forward Current	30 mA
Peak Forward Current (10% Duty Cycle, PW ≤ 100 μsec)	100 mA
Power Dissipation	140 mW

Note:

1. R_{th} test condition: Mounted on PC board FR 4 (pad size ≥ 16mm²)

Electrical Characteristics

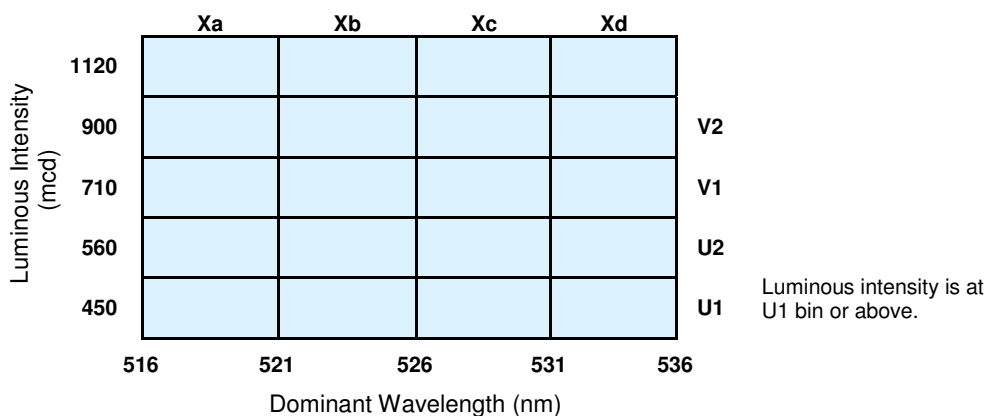
T_A = 25° C unless otherwise noted

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
I _V	Luminous Intensity	450	700	----	mcd	I _F = 30mA
V _F	Forward Voltage	----	3.9	4.6	V	I _F = 30mA
I _R	Reverse Current	----	----	10	μA	V _R = 5V
λ _D	Dominant Wavelength	516	527	536	nm	I _F = 30mA
2 Θ _{1/2}	50% Power Angle	----	120	----	deg	I _F = 30mA

Standard Bins (I_F = 30mA)

Lamps are sorted to luminous intensity (I_V) and dominant wavelength (λ_D) bins shown.

Orders for OVSAGBC2R8 may be filled with any or all bins contained as below.



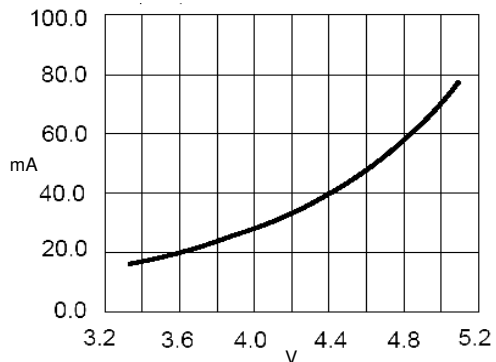
Important Notes:

- All ranks will be included per delivery, rank ratio will be based on the chip distribution.
- To designate luminous intensity ranks, please contact OPTEK.

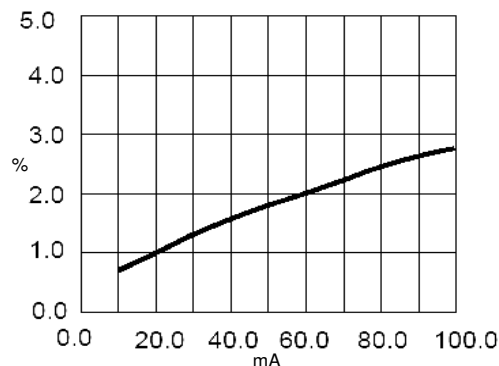
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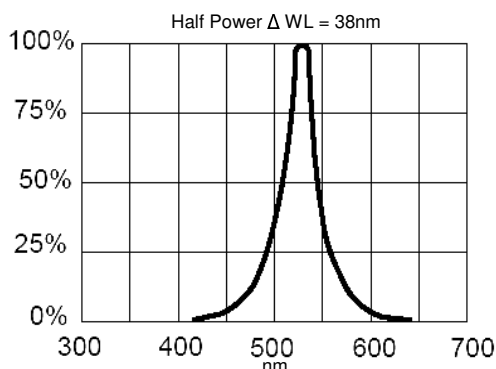
Typical Electro-Optical Characteristics Curves



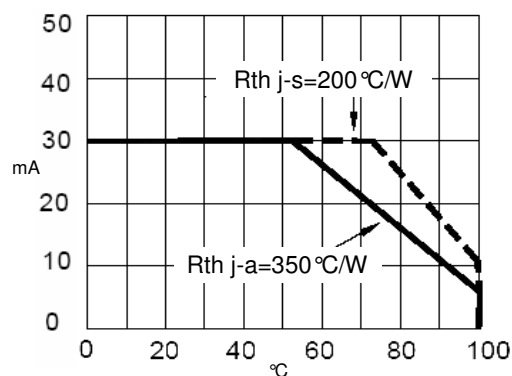
Forward Current vs. Forward Voltage



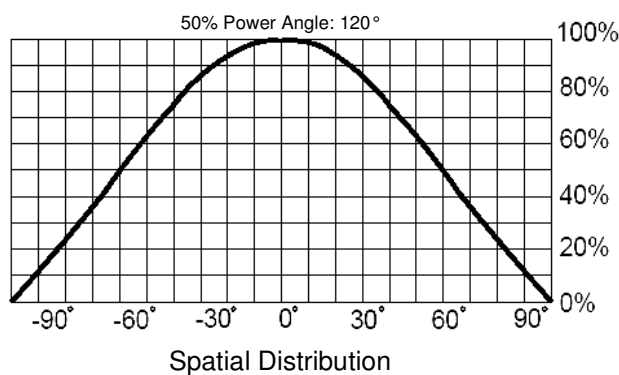
Relative Luminous Intensity vs. Forward Current



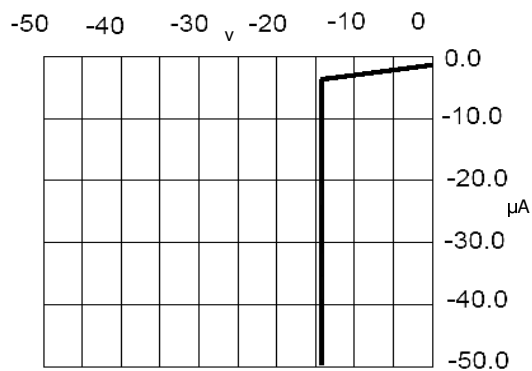
Relative Luminous Intensity vs. Wavelength



Maximum Forward DC Current vs. Ambient Temperature



Spatial Distribution



Reverse Current vs. Reverse Voltage

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[illegible]