

LED

Ultra Blue / Green, 3mm



Specifications:

Dice material	: InGaN
Emitted colour	: Blue Green
Lens colour	: Water Clear
Peak wavelength	: 505nm
Viewing angle	: 36°
Luminous intensity (IV)	: 3,650mcd

Absolute Maximum Ratings (T_a = 25°C)

Reverse Voltage	5V
Reverse Current	10µA (V _R = 5V)
Electrostatics Discharge (ESD)	200V
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

Electrical/Optical Characteristics at T_a = 25°C

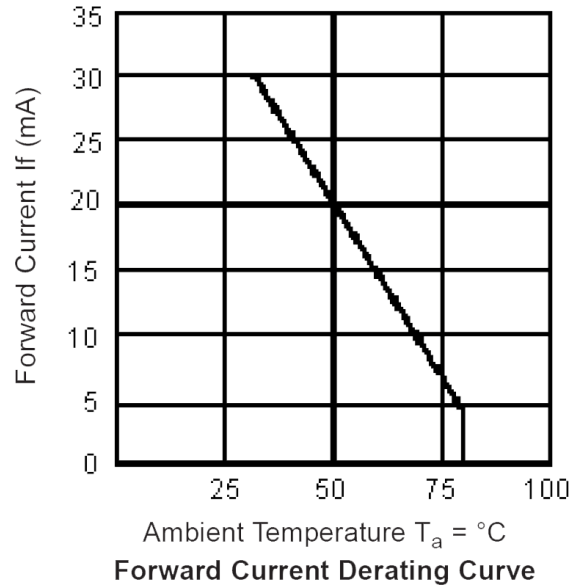
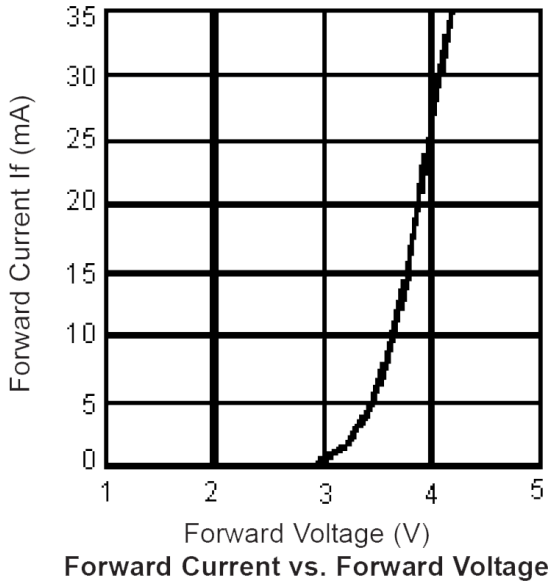
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1,800	3,650	5,200	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	36	-	degrees	
Peak Emission Wavelength	λP	-	505	-	nm	-
Dominant Wavelength	λD	-	510	-		-
Spectral Line Half-Width	Δλ	-	40	-		-
Forward Voltage	VF	2.7	3.4	4	V	IF = 20mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

LED

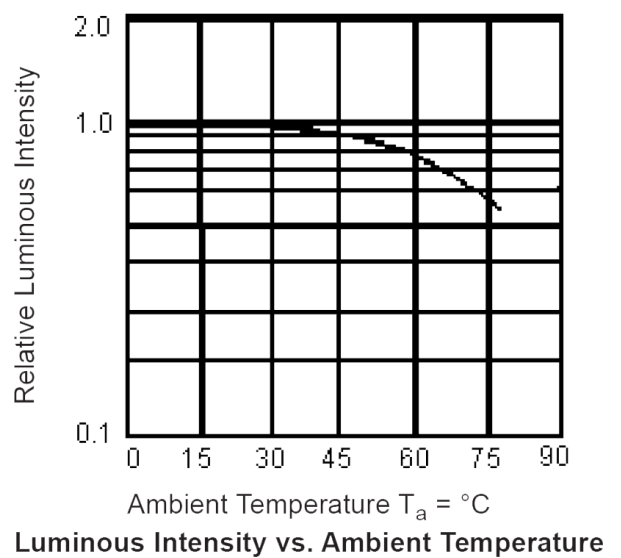
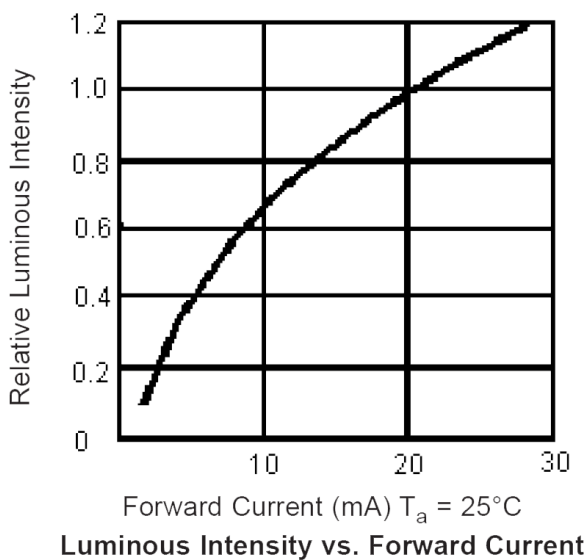
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Blue Green (InGaN $\lambda_P = 505\text{nm}$)

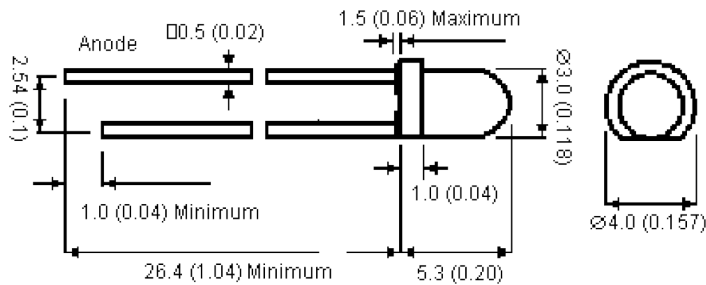
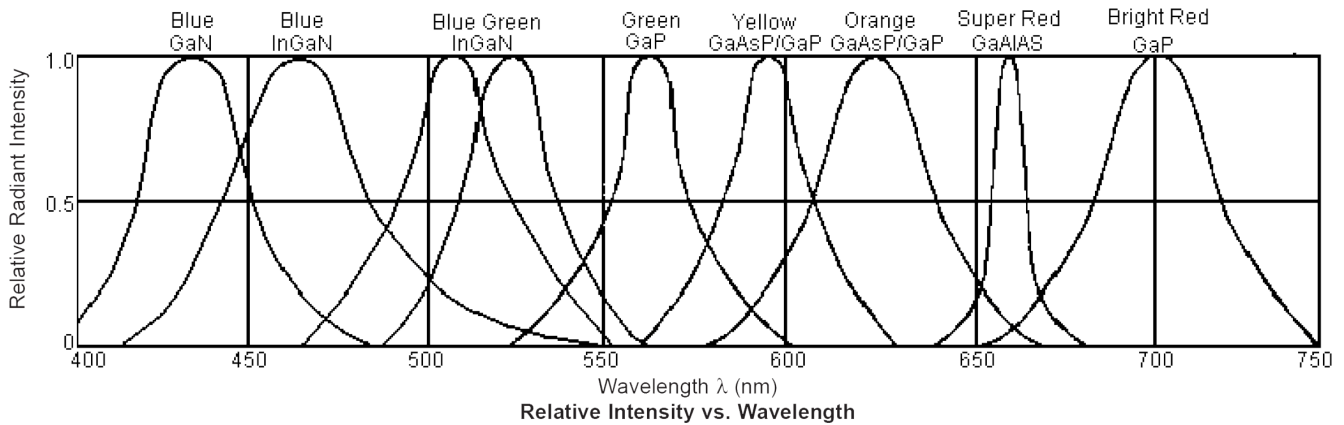


Blue Green (InGaN $\lambda_P = 505\text{nm}$)



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Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
LED, 3mm, 32°, Ultra-Blue/Green	MCL034BGC

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