

RoHS Compliant



Specifications:

Dice Material : GaAsP on GaP/GaP
Emitted Colour : Yellow / Green
Lens Colour : White Diffused
Peak Wavelength : 587/568nm
Viewing Angle : 45°

Viewing Angle : 45° Luminous Intensity (IV) : 15/14 mcd

Absolute Maximum Ratings ($T_a = 25$ °C)

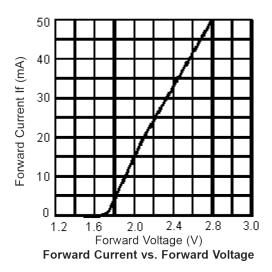
Reverse Voltage	5V		
Reverse Current	10μA (V _R = 5V)		
Operating Temperature Range	Range -40°C to +85°C		
Storage Temperature Range	-40°C to +100°C		
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds		

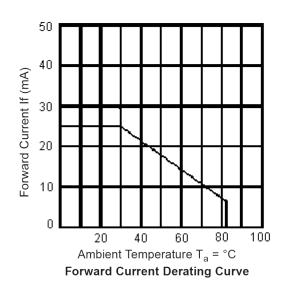
Electrical/Optical Characteristics at T_a = 25°C

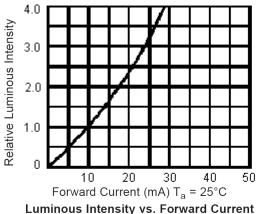
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	7/7	15/14	23/22	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	45	-	degrees	IF = 2011A
Peak Emission Wavelength	λP	-	587/568	-		-
Dominant Wavelength	λD	-	590/570	-	nm	-
Spectral Line Half-Width	Δλ	-	35/30	-		-
Forward Voltage	VF	1.7/1.7	2.1/2.1	2.6/2.6	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	-

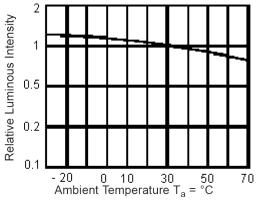


Yellow (GaAsP/GaP λ P = 587nm)

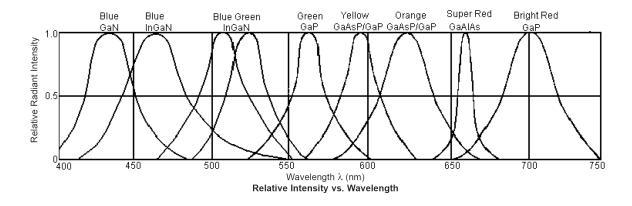










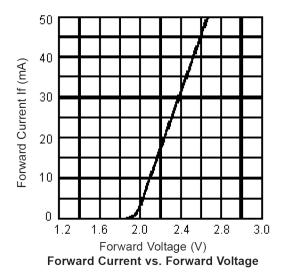


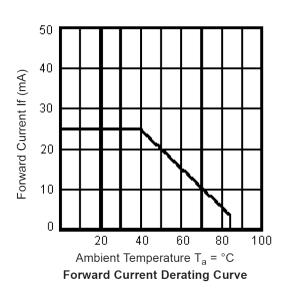
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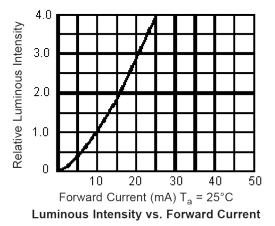


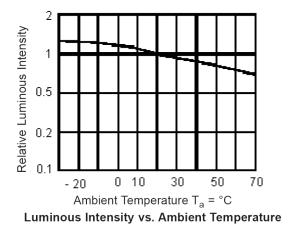


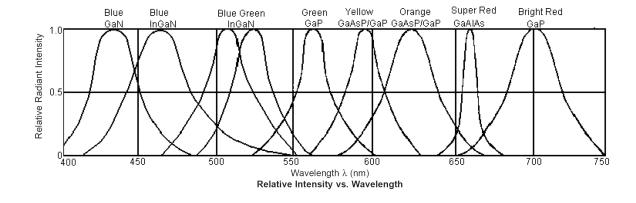
Green (GaP λ P = 568nm)







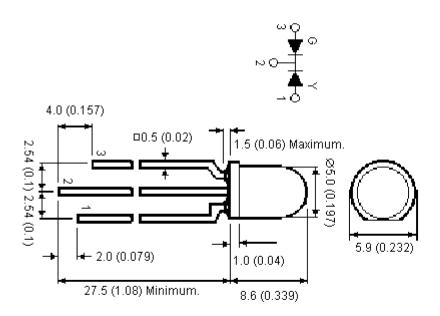




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Dimensions: Millimetres (Inches)

Part Number Table

Description	Part Number		
LED, 5mm, Yellow / Green	MCL059YGW		

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