

# LED

## Orange / Green, 5mm

multicomp<sup>PRO</sup>

RoHS  
Compliant



### Specifications:

Dice Material	: GaAsP on GaP/GaP
Emitted Colour	: Orange / Green
Lens Colour	: White Diffused
Peak Wavelength	: 635/568nm
Viewing Angle	: 45°
Luminous Intensity (IV)	: 16/15mcd

### Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

Reverse Voltage	5V
Reverse Current	10µA (V <sub>R</sub> = 5V)
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

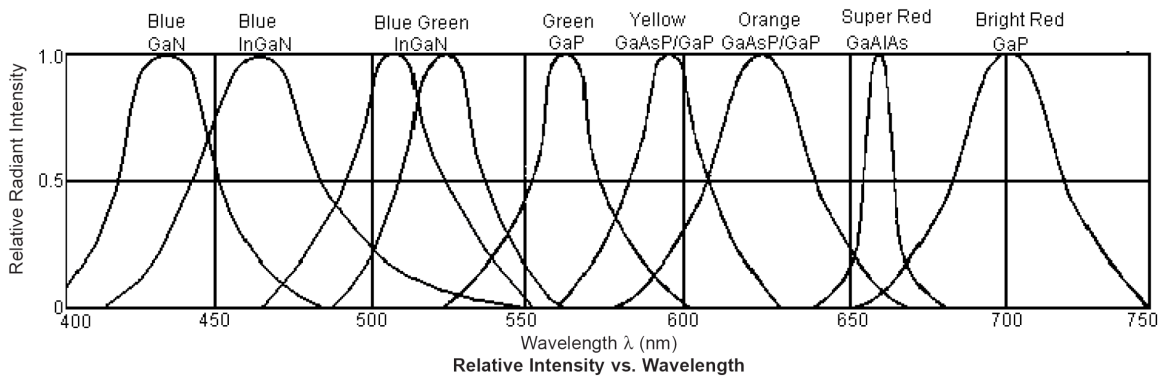
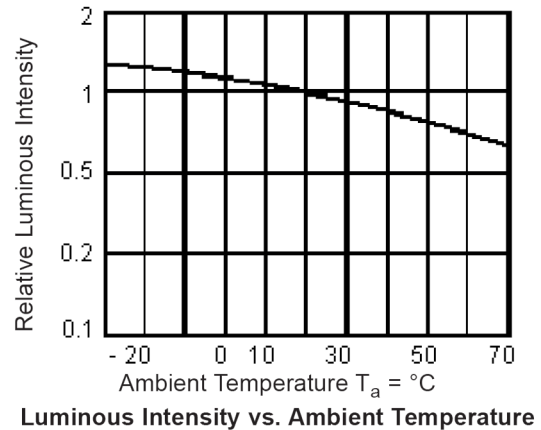
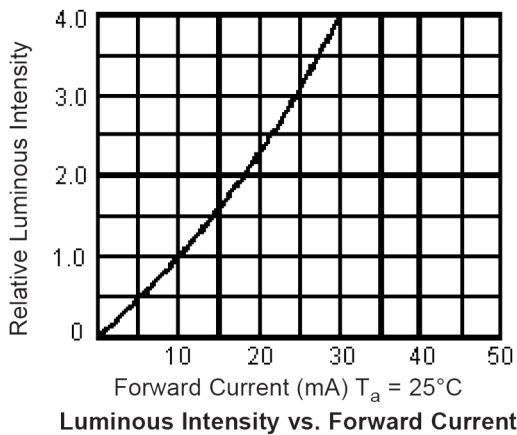
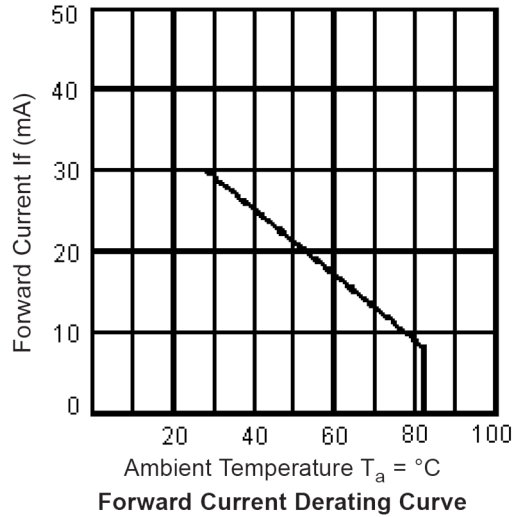
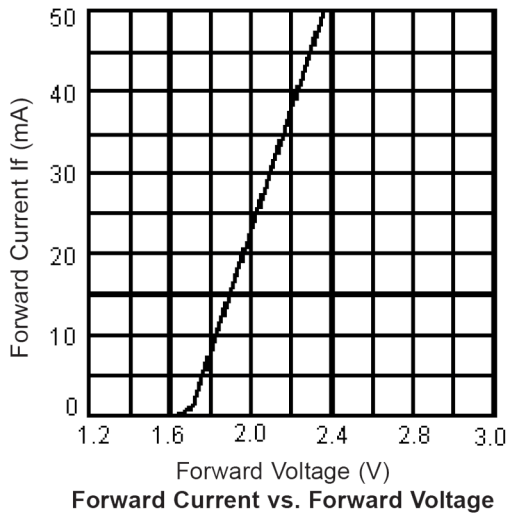
### Electrical/Optical Characteristics at T<sub>a</sub> = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	8/7	16/15	25/22	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	45	-	degrees	
Peak Emission Wavelength	λP	-	635/568	-	nm	-
Dominant Wavelength	λD	-	625/570	-		-
Spectral Line Half-Width	Δλ	-	45/30	-		-
Forward Voltage	VF	1.6/1.7	2/2.1	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	-

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## Orange / Green, 5mm

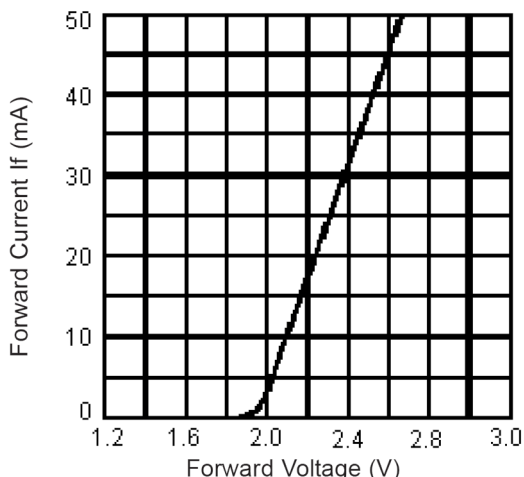
### Orange (GaAsP/CaP $\lambda_P = 635\text{nm}$ )



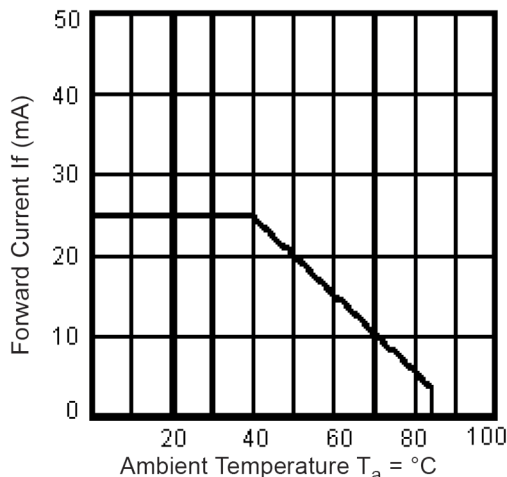
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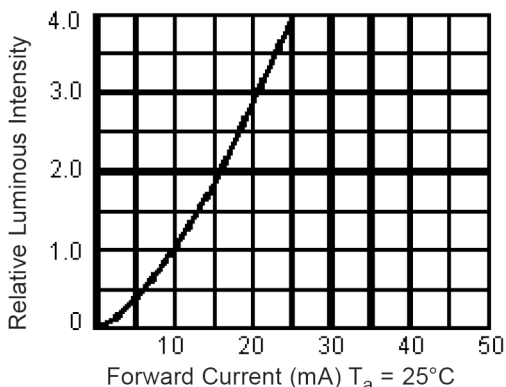
Green (GaP  $\lambda_P = 568\text{nm}$ )



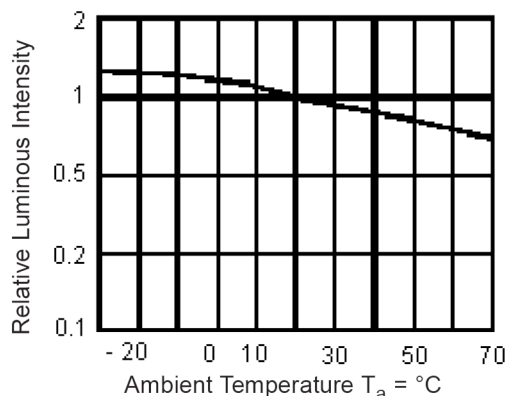
Forward Current vs. Forward Voltage



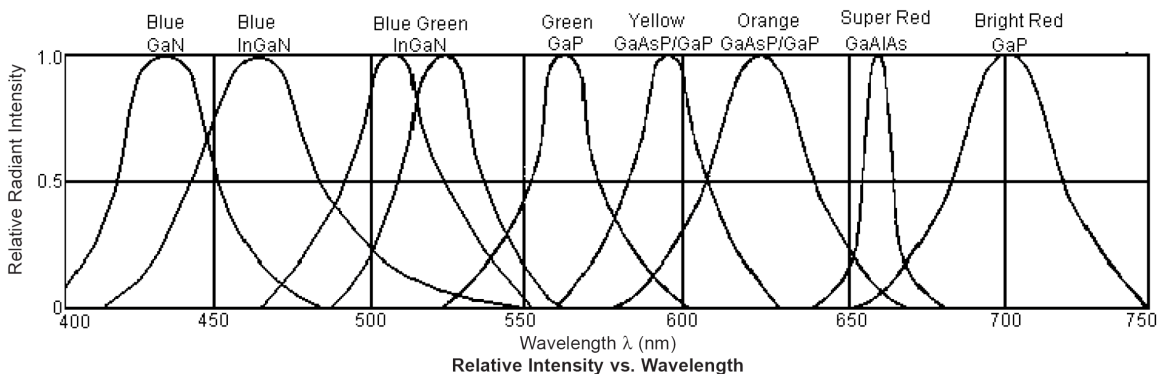
Forward Current Derating Curve



Luminous Intensity vs. Forward Current



Luminous Intensity vs. Ambient Temperature

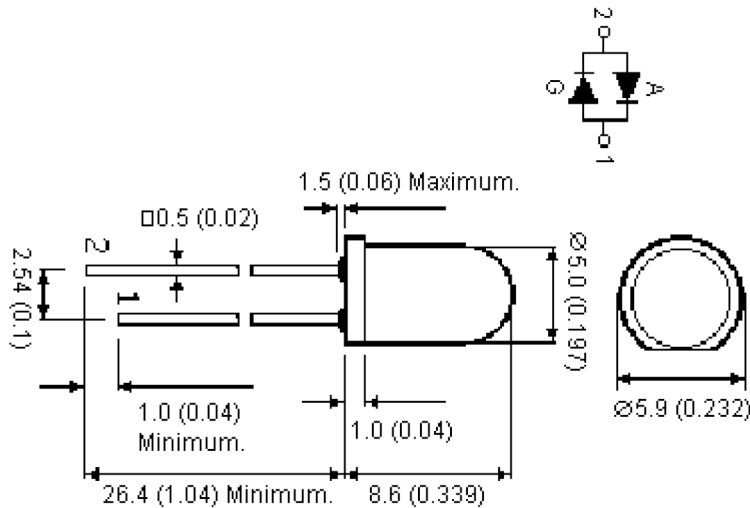


Relative Intensity vs. Wavelength

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Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 5mm, AC, Orange / Green	MCL056AGW

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