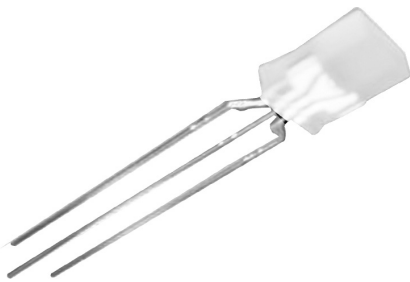


Rectangular LED

Orange / Green, 2mm × 5mm

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**RoHS
Compliant**



Specifications:

Dice Material	: GaAsP on GaP/GaP
Emitted Colour	: Orange / Green
Lens Colour	: White Diffused
Peak Wavelength	: 635/568nm
Viewing Angle	: 120°
Luminous Intensity (IV)	: 3.2/3.1mcd

Absolute Maximum Ratings (T_a = 25°C)

Reverse Voltage	5V
Reverse Current	10µA (V _R = 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_a = 25°C

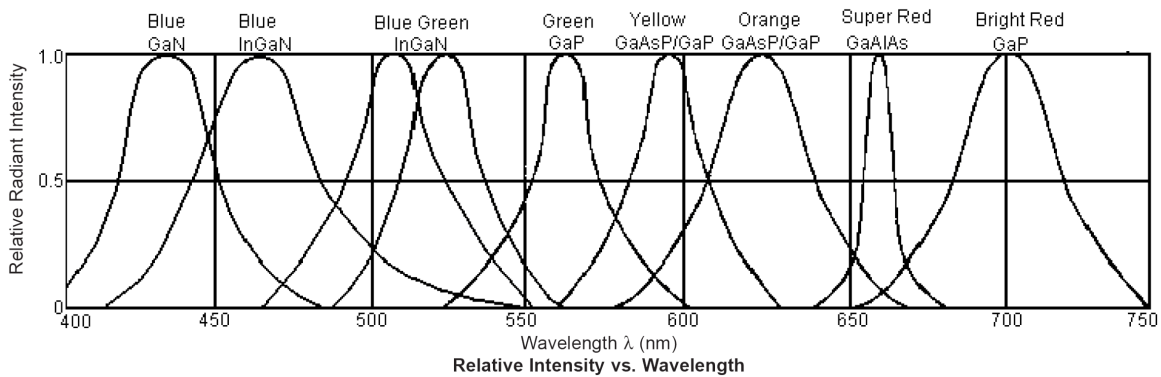
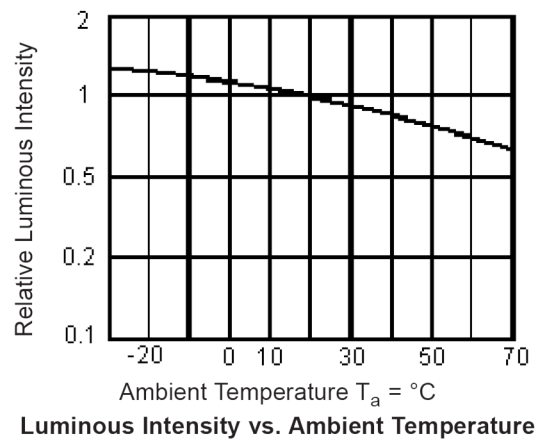
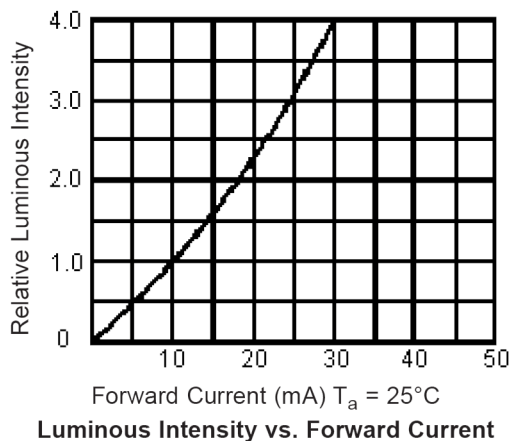
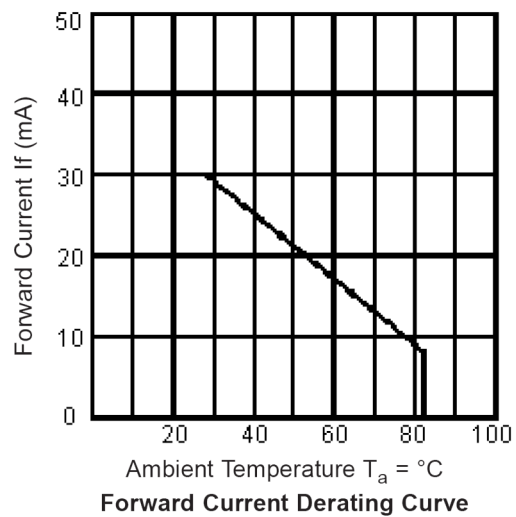
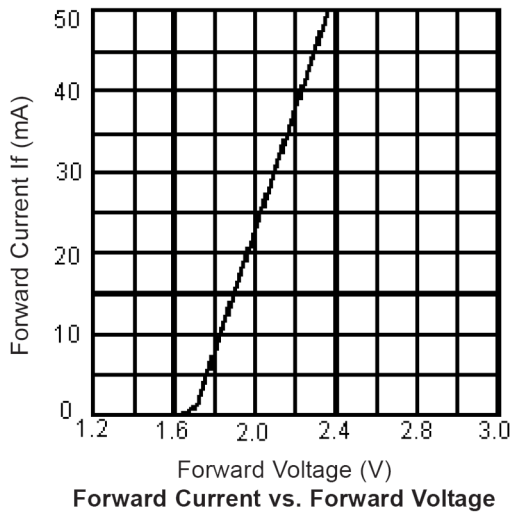
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1.5/1.4	3.2/3.1	5/4.9	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	120	-	degrees	
Peak Emission Wavelength	λP	-	635/568	-	nm	-
Dominant Wavelength	λD	-	627/570	-		-
Spectral Line Half-Width	Δλ	-	45/30	-		-
Forward Voltage	VF	1.6/1.7	2/2.1	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	-

Rectangular LED

Orange / Green, 2mm × 5mm

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

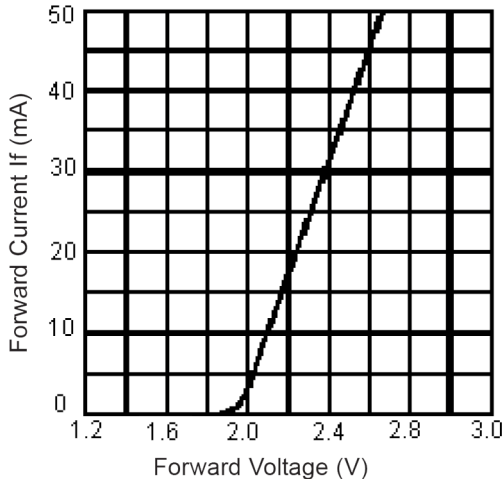


Rectangular LED

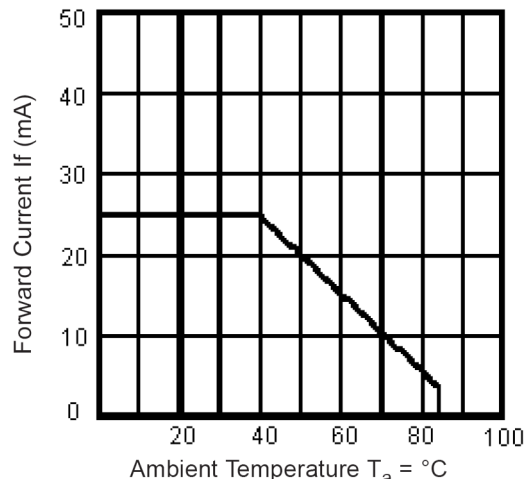
Orange / Green, 2mm × 5mm

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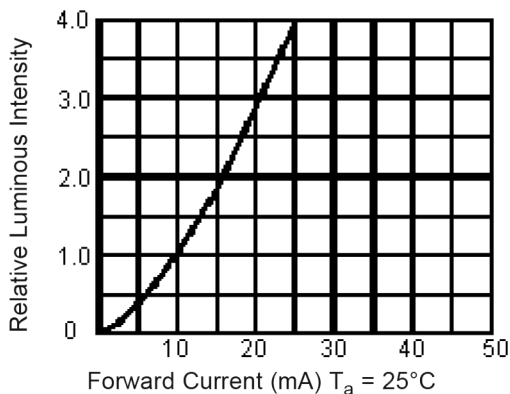
Green (GaP $\lambda_P = 568\text{nm}$)



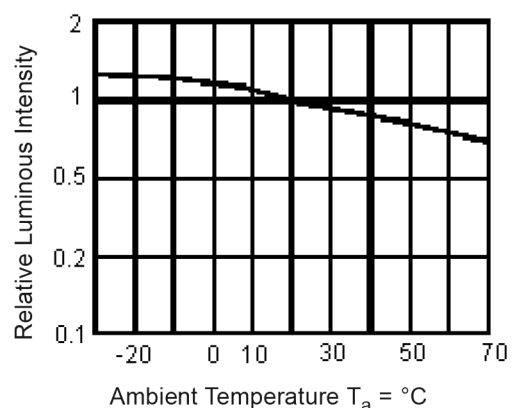
Forward Current vs. Forward Voltage



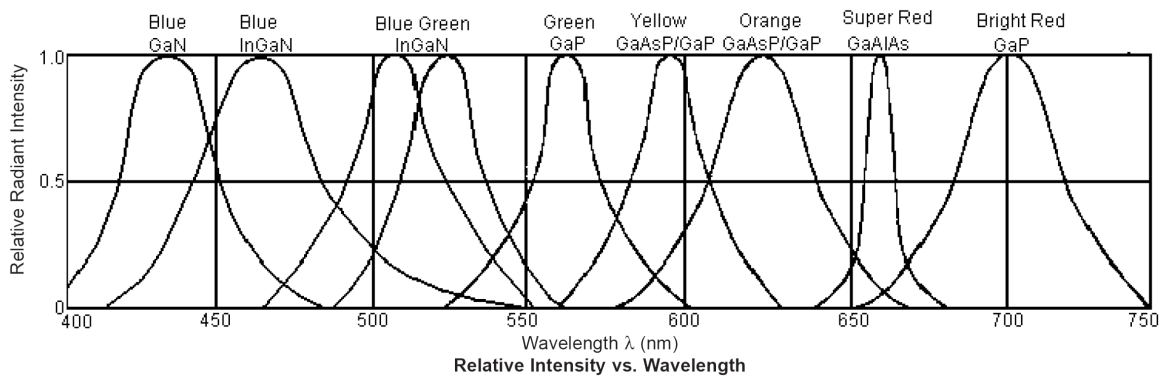
Forward Current Derating Curve



Luminous Intensity vs. Forward Current



Luminous Intensity vs. Ambient Temperature



Relative Intensity vs. Wavelength

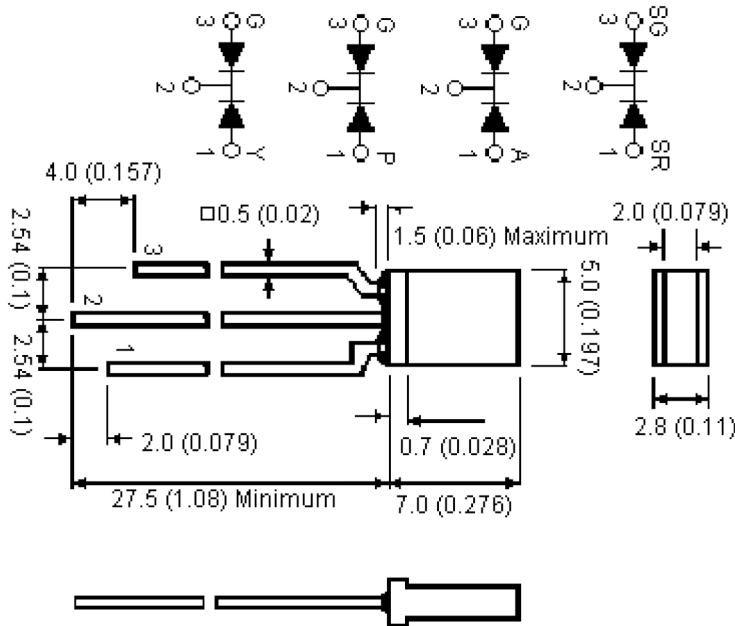
Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
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Rectangular LED

Orange / Green, 2mm × 5mm

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Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
LED, 2mm × 5mm, Orange / Green	MCL239AGW

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