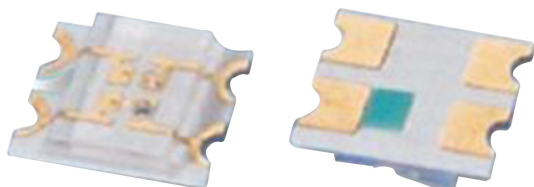


SMD LED

1210, Yellow / Green



Specifications:

Dice material	: GaAsP on GaP/GaP
Emitted colour	: Yellow / Green
Lens colour	: Water Clear
Peak wave length	: 587/568nm
Viewing angle	: 140°
Luminous intensity (IV)	: 11mcd

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Reverse Voltage	5V
Reverse Current	10 μ A ($V_R = 5V$)
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 $T_a = 25^\circ\text{C}$

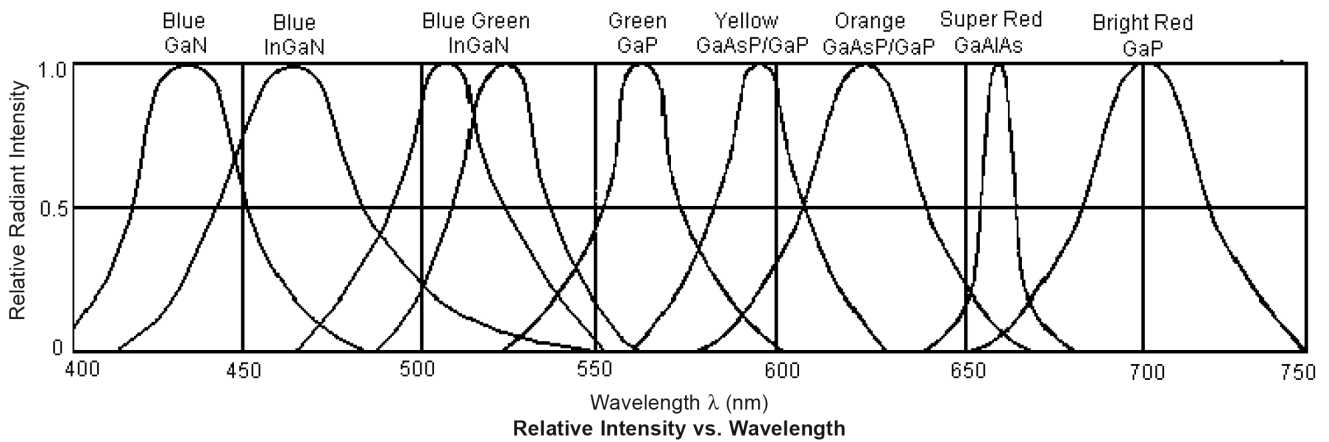
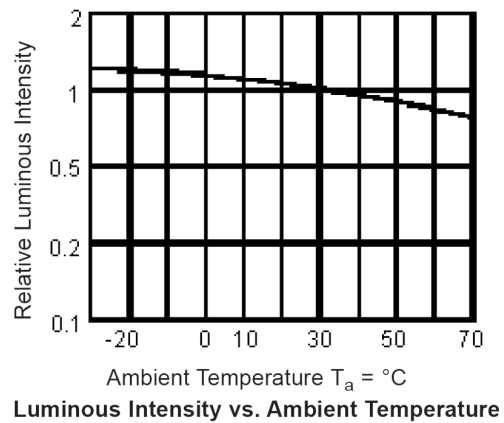
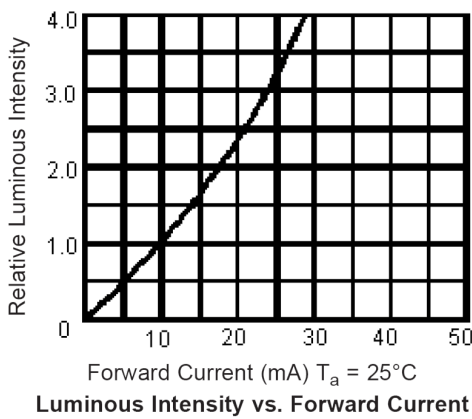
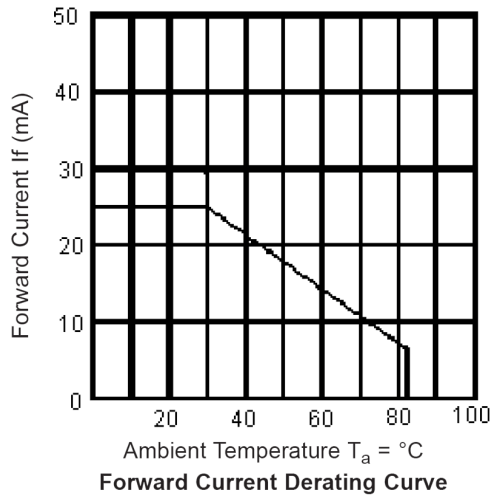
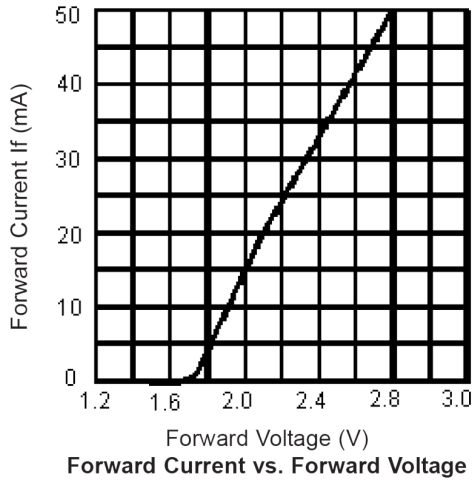
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	5/4.5	10/9	16/14	mcd	IF = 20mA
Viewing Angle	2 θ 1/2	-	140	-	degrees	
Peak Emission Wavelength	λ_P	-	587/568	-	nm	-
Dominant Wavelength	λ_D	-	590/570	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	35/30	-		-
Forward Voltage	VF	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	-

SMD LED

1210, Yellow / Green



Yellow (GaAsP/CaP $\lambda_P = 587\text{nm}$)

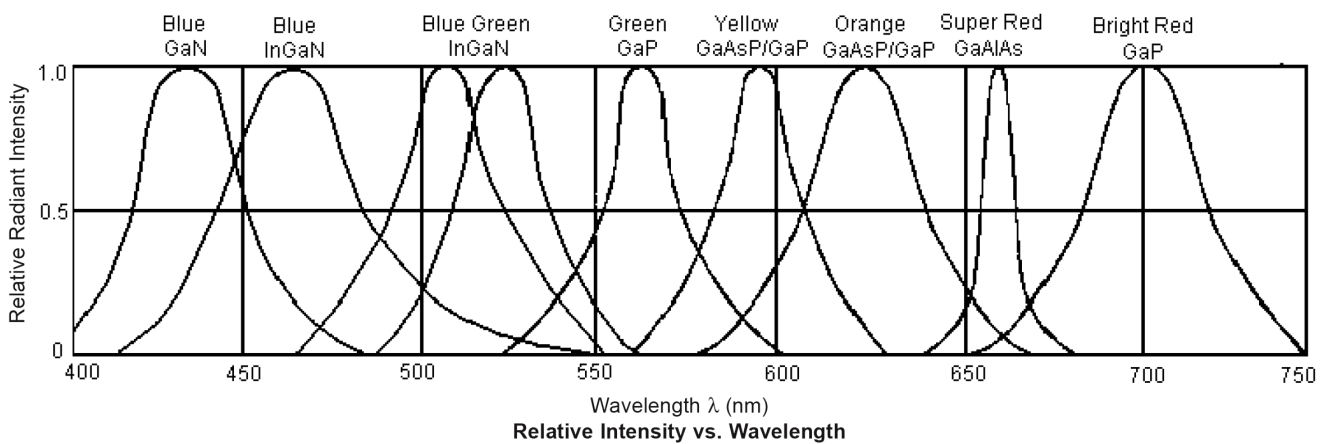
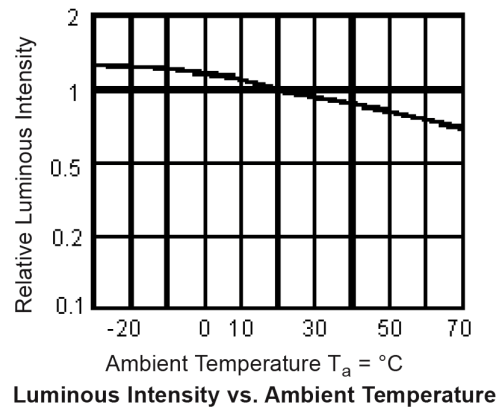
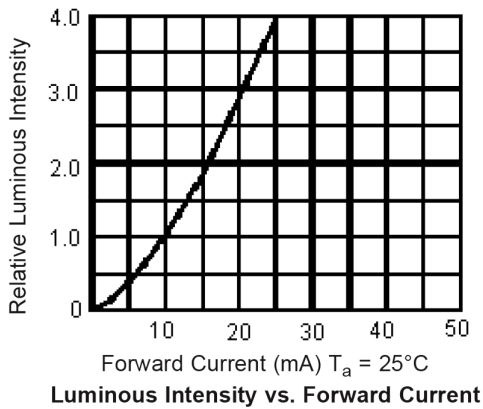
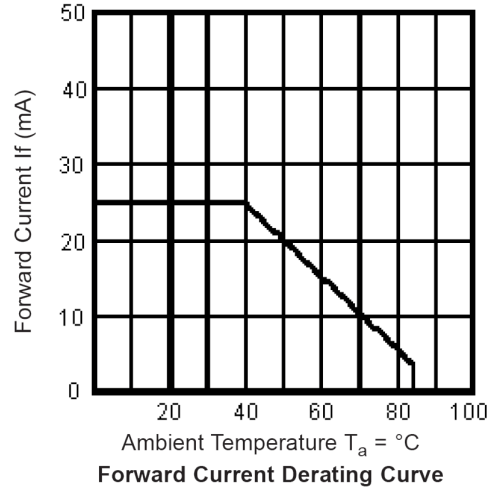
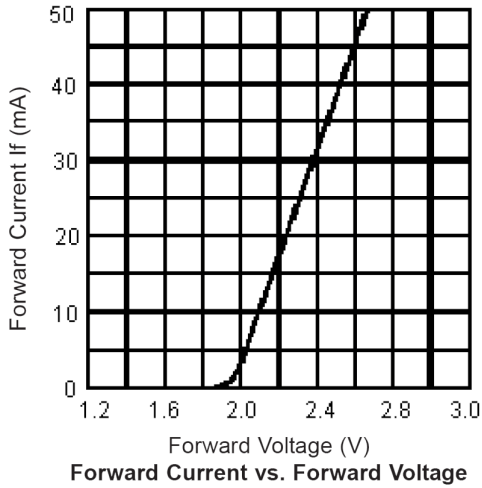


SMD LED

1210, Yellow / Green

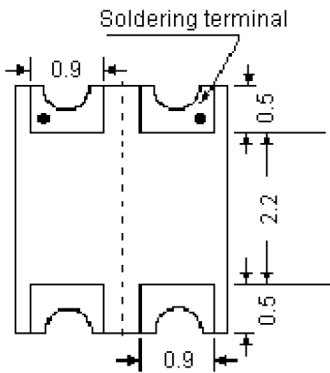
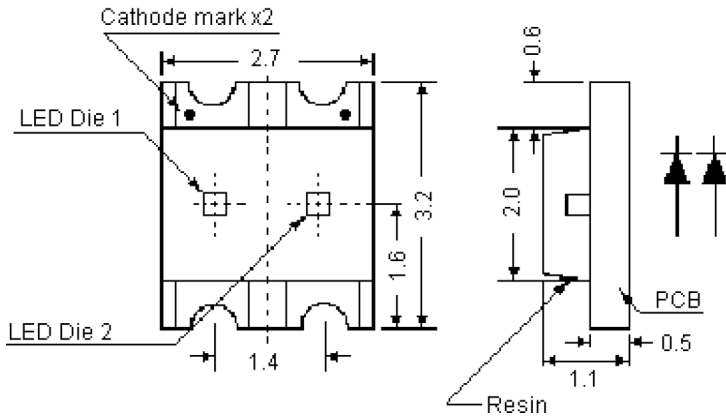


Green (GaP $\lambda_P = 568\text{nm}$)

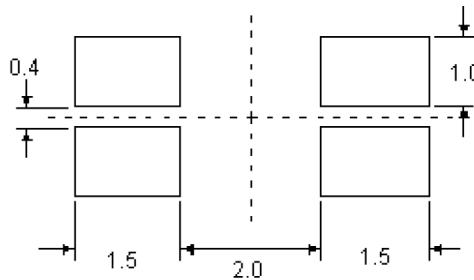


SMD LED

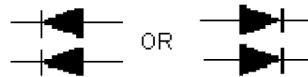
1210, Yellow / Green



• Recommended Soldering Patten for Reflow soldering



• Unit:mm Tolerance : +/-0.1



Dimensions : Millimetres

Part Number Table

Description	Part Number
LED, SMD, 1210, Yellow / Green	MCL-S255YGC

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