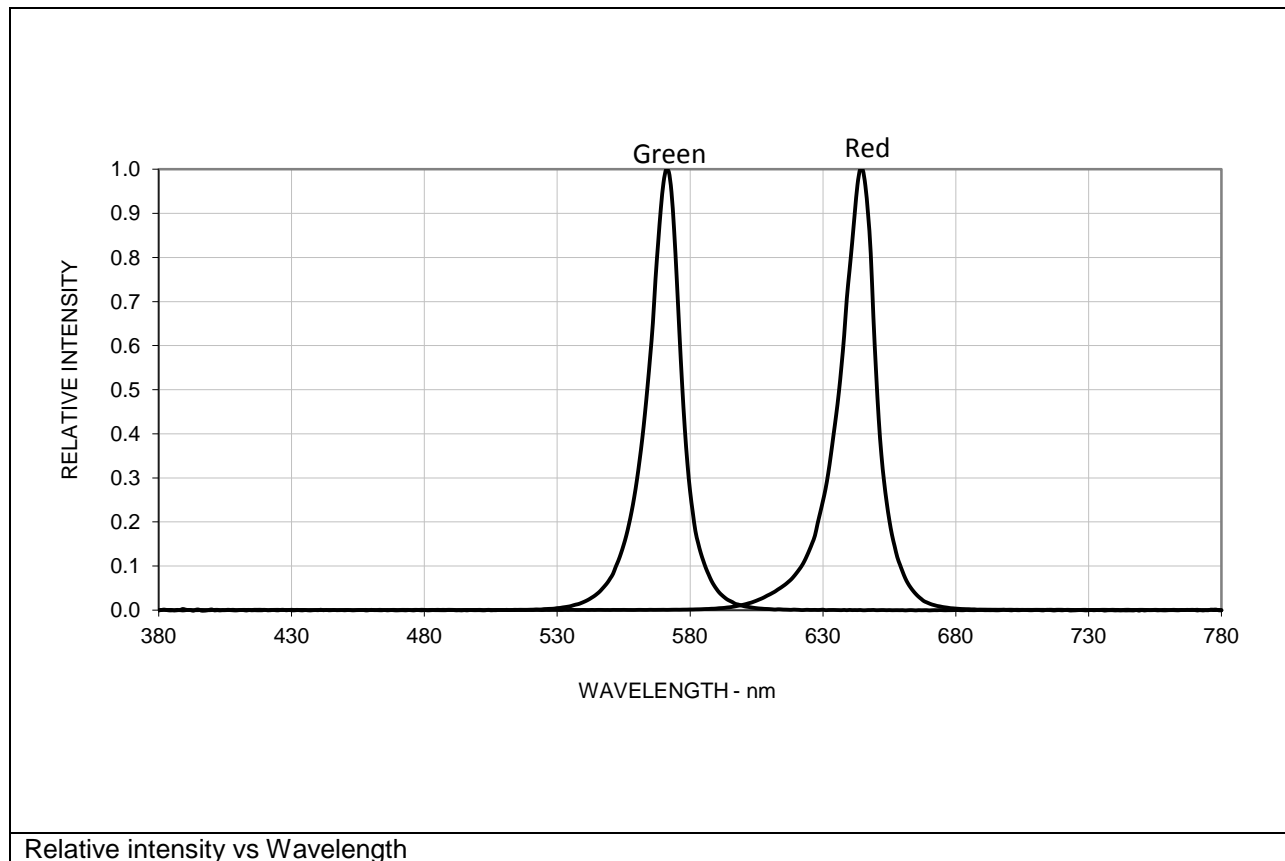
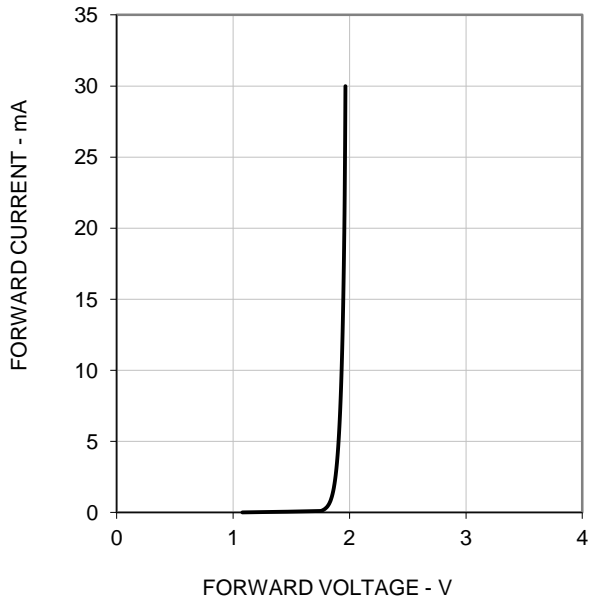


Optical/Electrical Characteristics at $T_A = 25^\circ\text{C}$, $I_f = 20\text{mA}$

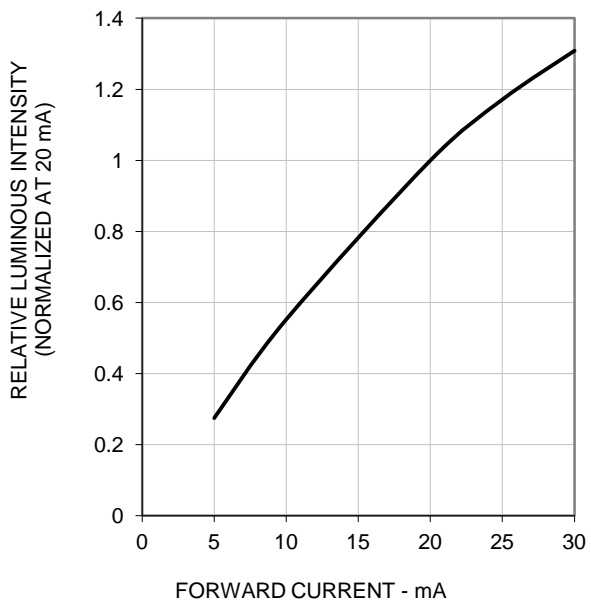
Color	Luminous intensity(mcd)		Dominant wavelength(nm)	Peak wavelength(nm)	Viewing angle($^\circ$)	Forward voltage(V)	
	Min	Typ	Typ	Typ	Typ	Min	Max
AllnGaP Green	18	33	570	571	120	1.6	2.4
AllnGaP Red	18	79	632	644	120	1.6	2.4

- Forward voltage tolerance is $\pm 0.1\text{V}$.

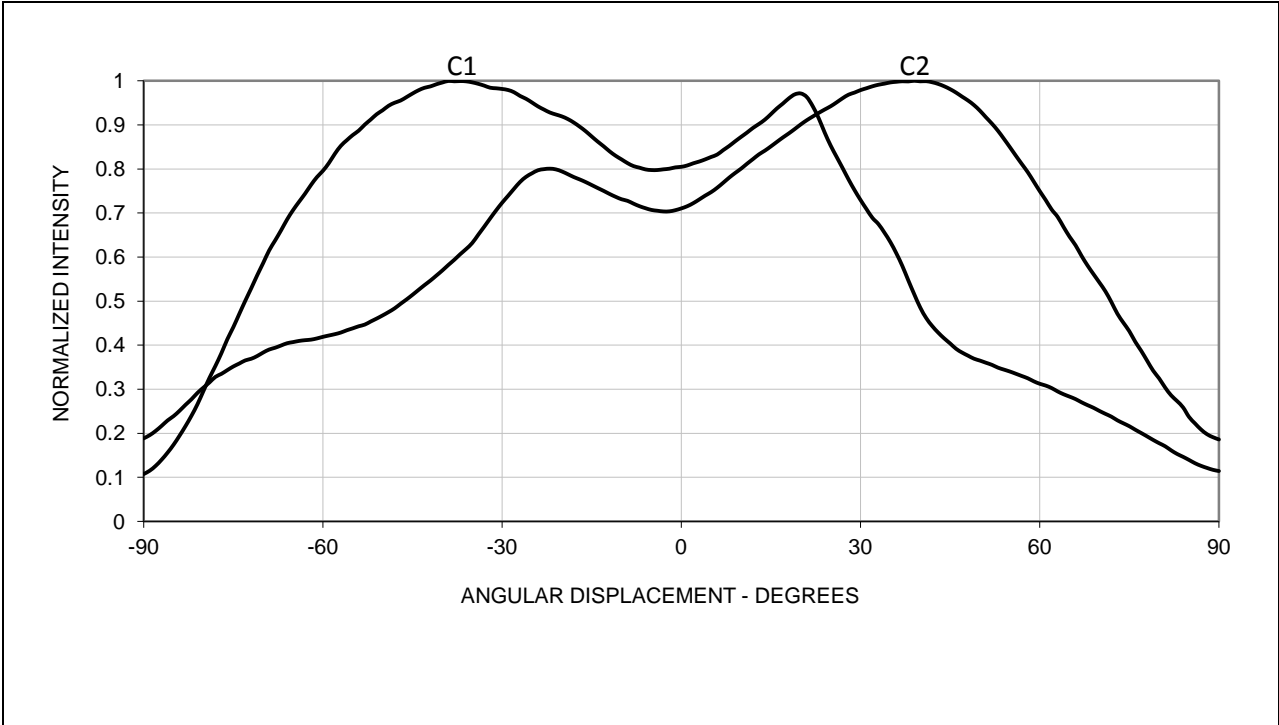




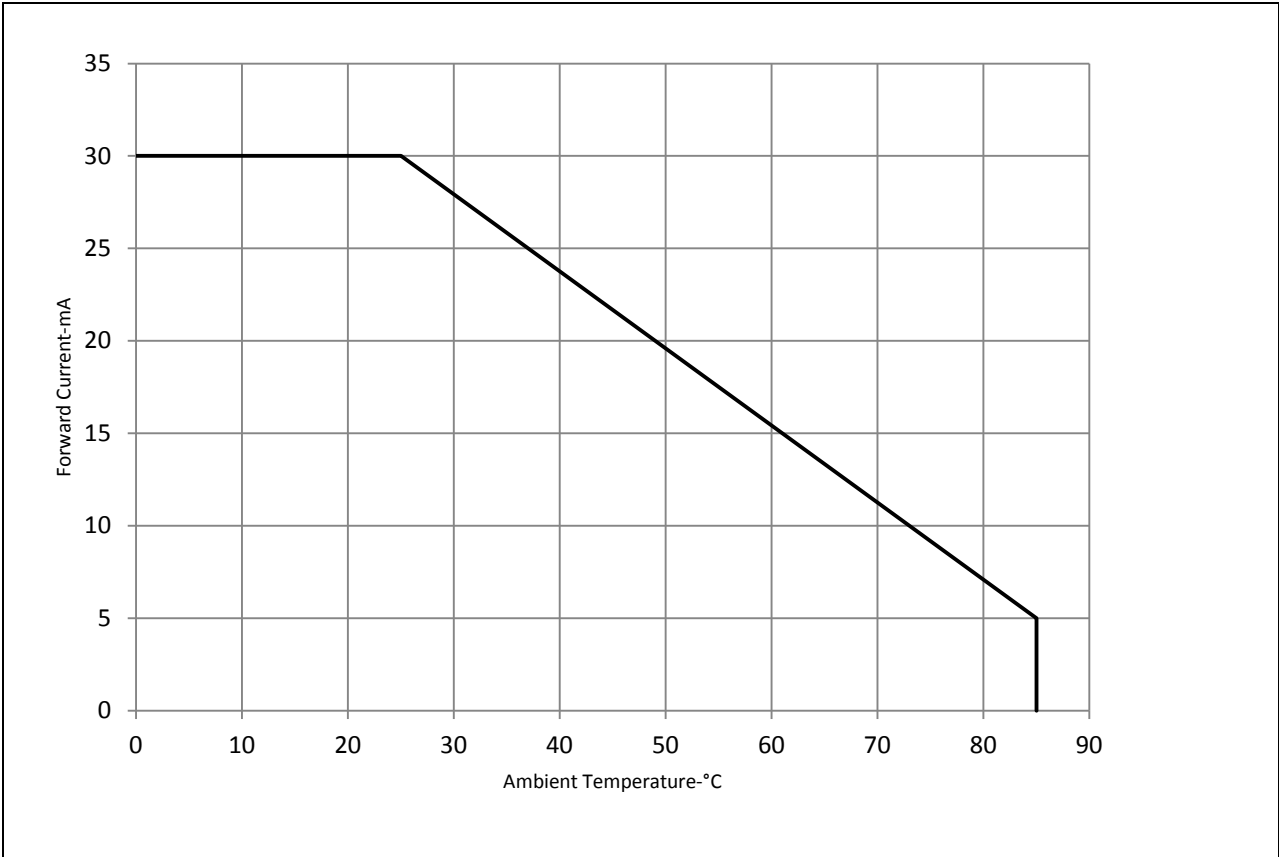
Forward current vs Forward voltage



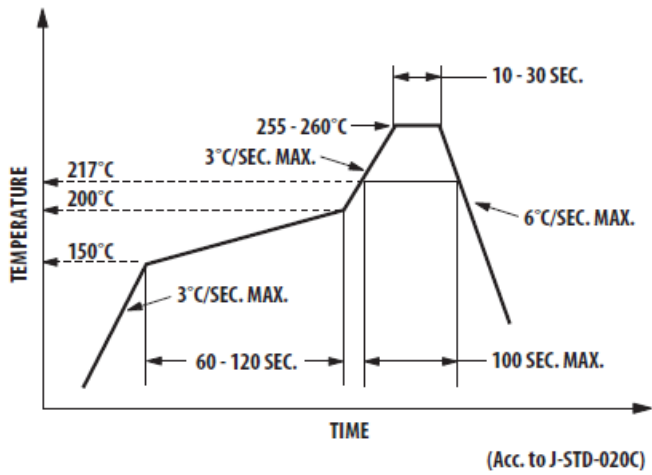
Relative intensity vs Forward current



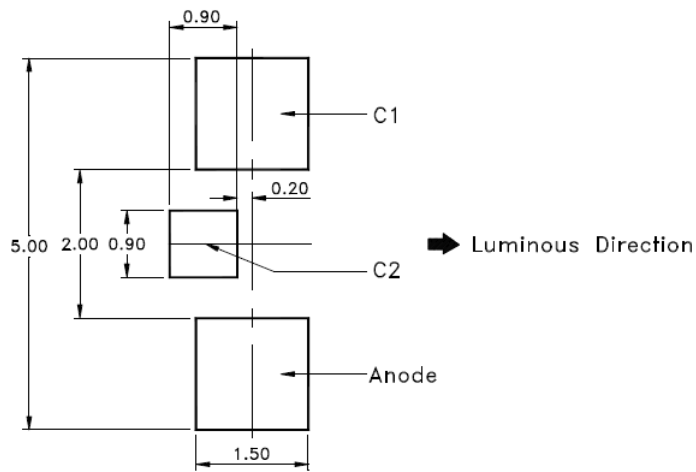
Relative intensity vs Angle



Maximum forward current vs Ambient temperature



Recommended Pb free reflow solder profile



Recommended soldering pad pattern
Unit:mm

Luminous Intensity Bin

Bin	Min (mcd)	Max (mcd)
M	18.0	28.5
N	28.5	45.0
P	45.0	71.5
Q	71.5	112.5
R	112.5	180.0

Tolerance for each bin limit is $\pm 15\%$

AllnGaP Green Color Bin

Bin	Min (nm)	Max (nm)
A	561.5	564.5
B	564.5	567.5
C	567.5	570.5
D	570.5	573.5
E	573.5	576.5

Tolerance for each bin limit is $\pm 0.5\text{nm}$

AllnGaP Red Color Bin

Bin	Min (nm)	Max (nm)
-	620	635

Tolerance for each bin limit is $\pm 1\text{nm}$

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