

● Electrical and optical characteristics(Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$	-	3.5	4.0	V
Luminous Intensity	I_v	$I_F=20\text{mA}$	-	6000	-	mcd
Reverse Current	I_R	$V_R=5\text{V}$	-	-	100	μA
Peak Wave Length	λ_p	$I_F=20\text{mA}$	-	505	-	nm
Dominant Wave Length	λ_d	$I_F=20\text{mA}$	500	-	510	nm
Spectral Line Half-width	$\Delta\lambda$	$I_F=20\text{mA}$	-	35	-	nm
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	12	-	deg

● Typical electro-optical characteristics curves

Fig.1 Relative intensity vs. Wavelength

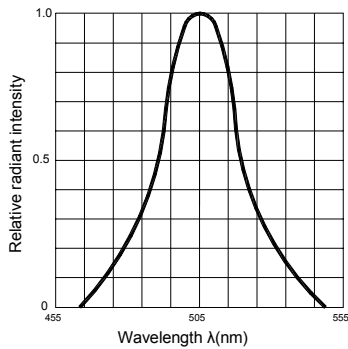


Fig.2 Forward current derating curve vs. Ambient temperature

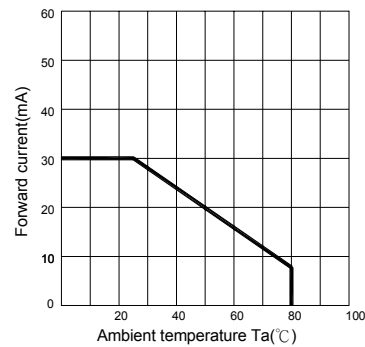


Fig.3 Forward current vs. Forward voltage

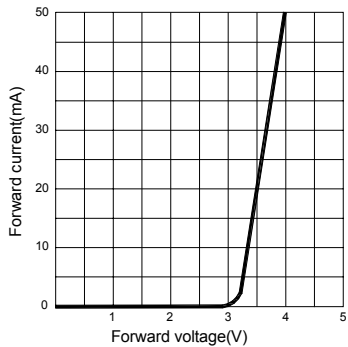


Fig.4 Relative luminous intensity vs. Ambient temperature

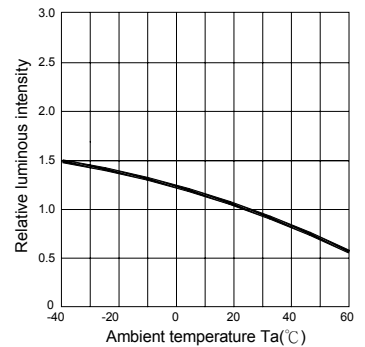


Fig.5 Relative luminous intensity vs. Forward current

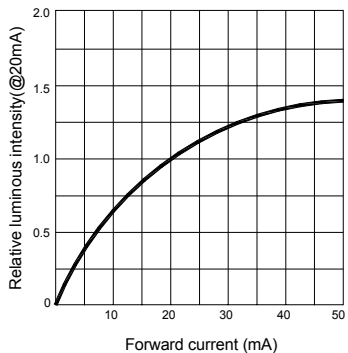
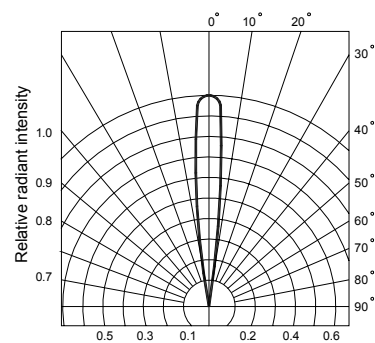


Fig.6 Radiation diagram



● **Bin Limits**

1. Intensity Bin Limits (At $I_F = 20\text{mA}$)

Bin Code	Min. (mcd)	Max. (mcd)
:	:	:
Y	2090	4260
Z	3220	6440
ZA	4880	9660
ZB	7320	14490
ZC	11000	21350
:	:	:

2. Color Bin Limits (At $I_F = 20\text{mA}$) : Dominant Wave Length $\lambda_d(\text{nm})$

Bin Code	Min. (nm)	Max. (nm)
2	499	506
3	504	511

