

## ■ Absolute maximum ratings( $T_a=25\text{ }^\circ\text{C}$ )

Parameter	MAX.	Unit
Power Dissipation	90	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	25	mA
Derating Linear From $50\text{ }^\circ\text{C}$	0.4	mA/ $^\circ\text{C}$
Reverse Voltage	5	V
Operating Temperature Range	$-40\text{ }^\circ\text{C}$ to $+85\text{ }^\circ\text{C}$	
Storage Temperature Range	$-40\text{ }^\circ\text{C}$ to $+100\text{ }^\circ\text{C}$	

## ■ Electrical and optical characteristics( $T_a=25\text{ }^\circ\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	400	500	600	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	–	100	–	Deg	
Peak Emission Wavelength	$\lambda_p$	455	460	465	nm	
Dominant Wavelength	$\lambda_d$	464	468	474	nm	
Spectral Line Half-Width	$\Delta\lambda$	–	30	–	nm	
Forward Voltage	$V_F$	3.0	3.1	3.2	V	
Reverse Current	$I_R$			10	$\mu\text{A}$	$V_R=5\text{V}$