

■ 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 $+100\text{ }^\circ\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^\circ\text{C}$ for 5 Seconds	

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	-	6000	-	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-	15	-	Deg	
Peak Emission Wavelength	λ_p	-	470	-	nm	
Dominant Wavelength	λ_d	464	468	474	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	30	-	nm	
Forward Voltage	V_F	2.8	3.2	3.6	V	
Reverse Current	I_R			10	μA	$V_R=5\text{V}$