

Model. No.	COSMIC-204RD
Rev.	A

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

Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +100°C	

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	-	200	-	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-	40	-	Deg	
Peak Emission Wavelength	$\lambda_p$	-	620	-	nm	
Dominant Wavelength	$\lambda_d$	610	615	620	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	30	-	nm	
Forward Voltage	$V_F$	1.9	2.0	2.1	V	
Reverse Current	$I_R$			10	$\mu\text{A}$	$V_R=5\text{V}$