

Model. No.	COSMIC-R483RC
Rev.	A

■ Absolute maximum ratings(Ta=25 ° 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(Ta=25 ° c)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	800	1100	1200	mcd	I _F =20mA
Viewing Angle	2θ _{1/2}	-	50	-	Deg	
Peak Emission Wavelength	λ _p	-	630	-	nm	
Dominant Wavelength	λ _d	615	620	625	nm	
Spectral Line Half-Width	Δλ	-	15	-	nm	
Forward Voltage	V _F	1.9	2.0	2.1	V	
Reverse Current	I _R			10	μA	V _R =5V