

深圳市廣全興電子有限公司

PRODUCT SPECIFICATION

Customer: 鼎兴电子

Part NO: GS-304QRC-LMS

Specification: 3mm 红光

Prepared by:

Approved:

Date:

Customer confirmation:

深圳市廣全興電子有限公司

CONCENCIN ELECTRONIC LTD.,CO

Absolute Maximum Ratings at Ta=25 °C

Parameter	MAX.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse width)	80	mA
DC Forward Current	20	mA
Reverse Voltage	5	V
Operation Temperature Range	-40°C ~ +80°C	
Storage Temperature Range	-40°C ~ +90°C	
Lead Soldering Temperature	260 °C for 5 Seconds	

Electrical Optical Characteristics at Ta=25 °C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V_f	---	2.1	2.5	V	$I_f=20mA$
Reverse Current	I_R	---	---	10	μA	$V_R=5V$
Luminous Intensity	I_v	---	11000	---	med	$I_f=20mA$
Viewing Angle	$2\theta_{1/2}$	---	12	---	Deg	$I_f=20mA$
Peak Wavelength	λ_p	620	625	630	nm	$I_f=20mA$
Dominant Wavelength	λ_D	---	622.5	---	nm	$I_f=20mA$

Note :

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength (λ_D) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.