

Product Specification**RED LED****637nm****CQI34308BVC**

- * Based on AlGaInP substrat
- * Typ. Radiation of 120°
- * High luminouse intensity
- * suitable for reflow soldering and automatic placement machine
- * Package : Black PLCC4 Body

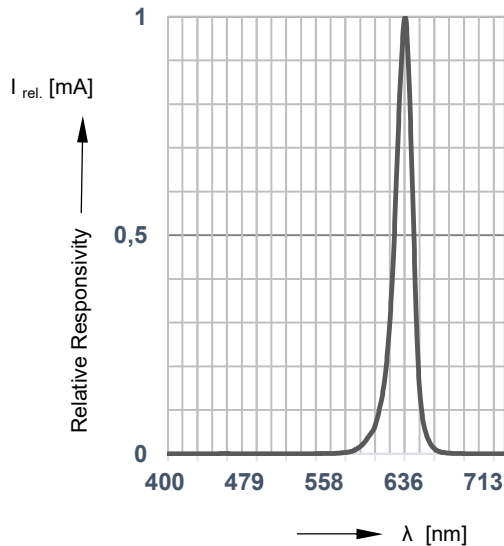
**Optical and Electrical Characteristics @Tambient =25°C**

Symbol	Parameter	MIN	Typ	MAX	UNIT	Test conditions
I F	DC Forward current		25	80	mA	
I Peak	Peak Forward current			150	mA	Tp < 10μsec. ; T=1:100 ; Rtherm < 100K/W
V F	Forward Voltage	1,8		2,5	V	IF = 20mA
λ Peak	Peak Wavelength		637		nm	IF = 50mA
λ centroid	Centroid Wavelength	628		634	nm	IF = 50mA
Δλ 0,5	Bandwide of half power		15		nm	IF = 50mA
Δλ dom	Dominant Wavelength	619		625	nm	IF = 50mA
Φ E	Total Power Output	10	18		mW	IF = 50mA
I V	Luminouse Intensitiy	330	350		mcd	IF = 20mA
2Φ 0,5	Full Emission Angle		120		deg.	
TK VF	Temp.Coeff. Of Forward Voltage		-2		mV/K	
TK F	Temp. Coeff. Of Radiant Power		0,3		%/K	
T junction	LED-Junction Temperature			110	°C	
T Soldering	Soldering Temperature			260	°C	Iron Soldering; max 3 sec.
T Soldering	Soldering Temperature			240	°C	REFLOW SOLDER
T Operating	Operating Temperature	-25		85	°C	
R thJA	Thermal Resistance		350		K/W	
P tot	Total Power Dissipation			200	mW	

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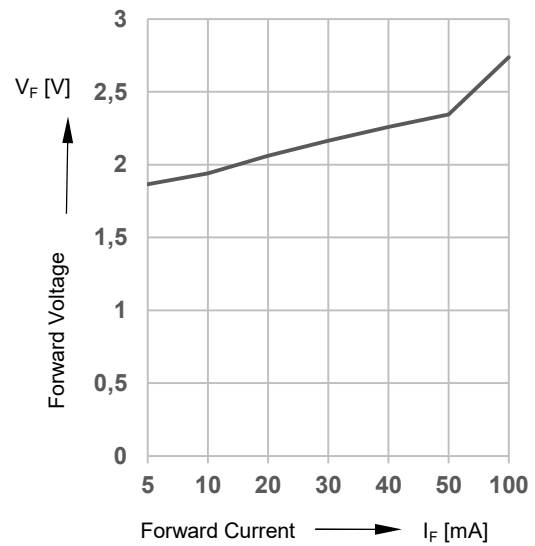
Relative Spectral Emission

@50mA @ $T_{\text{ambient}} = 25^{\circ}\text{C}$



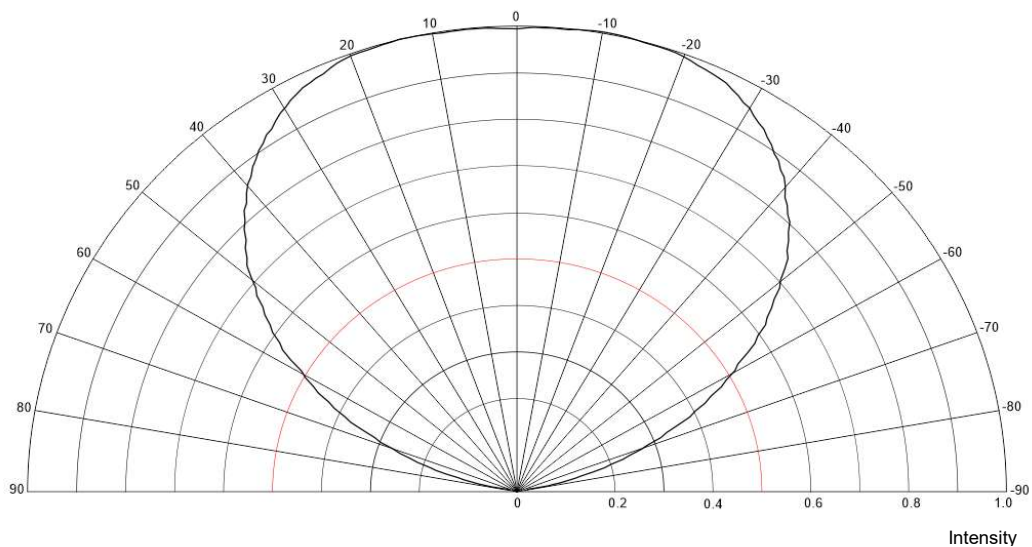
Fwd Current vs. Fwd Voltage

@ $T_{\text{ambient}} = 25^{\circ}\text{C}$



Relative Radiation Angle

@20mA @ $T_{\text{ambient}} = 25^{\circ}\text{C}$

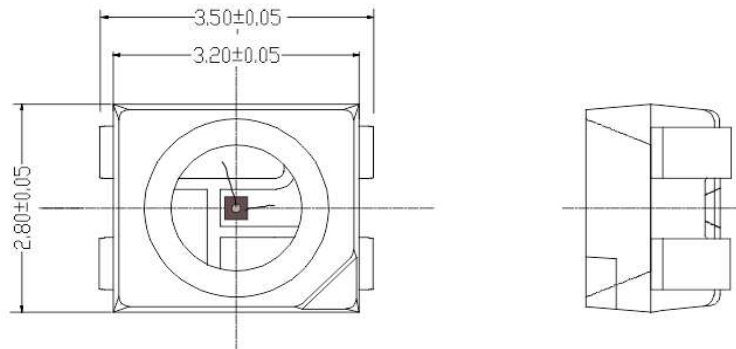


Pls. Contact us for more technical detail information !

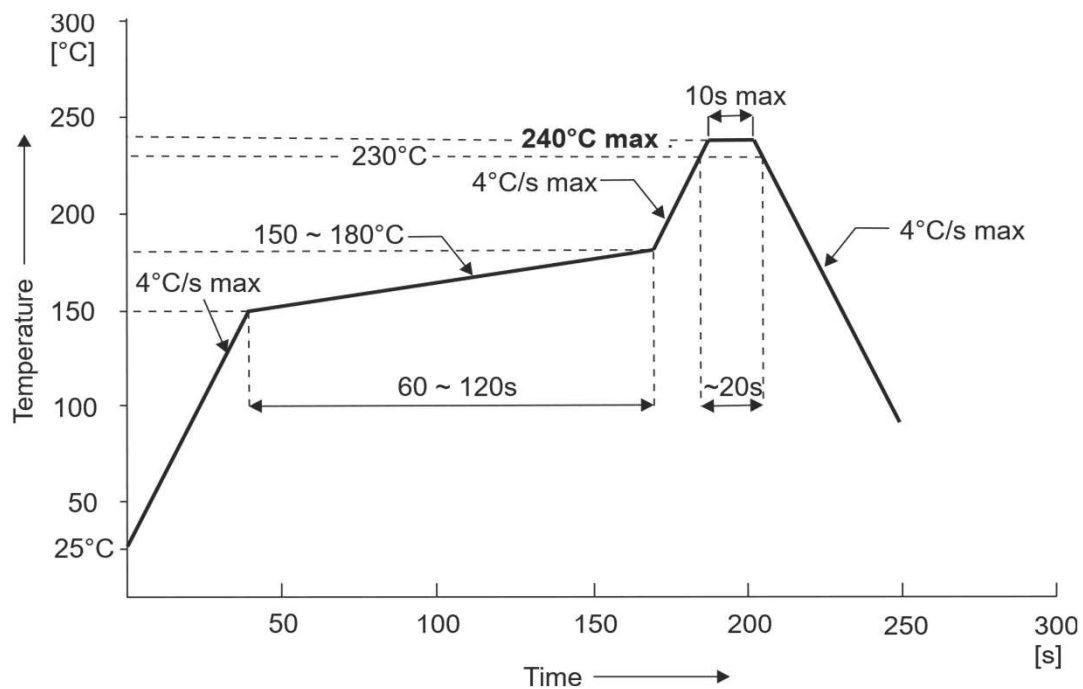
CREATIVE LED GMBH reserves the right to make changes at any time in order to improve design and to supply the best product possible, contact us for latest device specification sheets before using.

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Mechanical Drawing



Soldering Profil



Order informations:

CQI34308BVC-XX-TR

Taped in Reel (1500pcs/reel)

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