

CQR67122EBQB

560nm

GREEN LED

creativeled.com

Features

- * Verry Narrow Radiation of 6° full angle
- * Reflow-soldering
- * RoHs and REACH conform



Applications

- * Machine vision of organic materials
- * Photosynthesis analysis
- * Photoelectric sensors & encoders
- * Medical applications

* Safety Note :

This product can be driven with high level risks for human eyes and body acc. IEC 825 and EN62471

Optical and Electrical Characteristics @Tambient =25°C

Symbol	Parameter	MIN	Typ	MAX	UNIT	Test conditions
I F	DC Forward current			40	mA	
I Peak	Peak Forward current			80	mA	Tp < 10μsec. ; T=1:100 ; Rtherm < 100K/W
V F	Forward Voltage		3	3.4	V	IF = 20mA
λ Peak	Peak Wavelength	555	560		nm	IF = 20mA
Δλ 0.5	Bandwide of half power		40		nm	IF = 20mA
t r	Rise time		3.5		μs	
t f	Fall time		7.8		μs	
mcd	Luminous Intensity	8179	14422		mcd	IF = 40mA
I E	Radiant Intensity	15	30		mW/sr	IF = 40mA
2Φ 0.5	Full Emission Angle		6		deg.	ΦE = 50%
A	Chip size		0.09		mm²	
TK VF	Temp.Coeff. Of Forward Voltage		-2.67		mV/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	-40		85	°C	
T Storage	Storage Temperature	-40		85	°C	
R thJA	Thermal Resistance		450		K/W	
P tot	Total Power Dissipation			136	mW	

* values only for information

Order informations:

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Bulk (1000pcs./Bag) /standard)

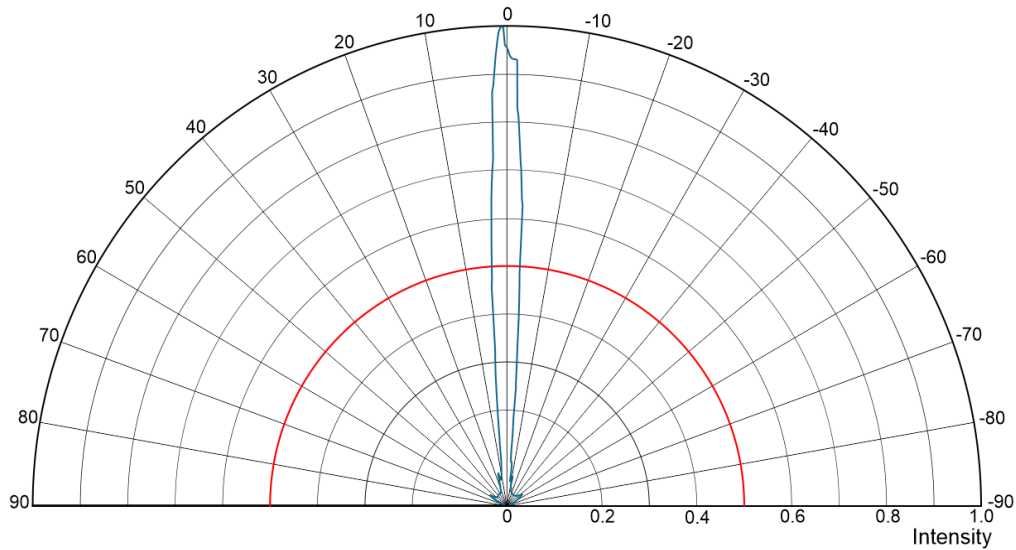
Pls. Contact us for more technical detail information !

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.

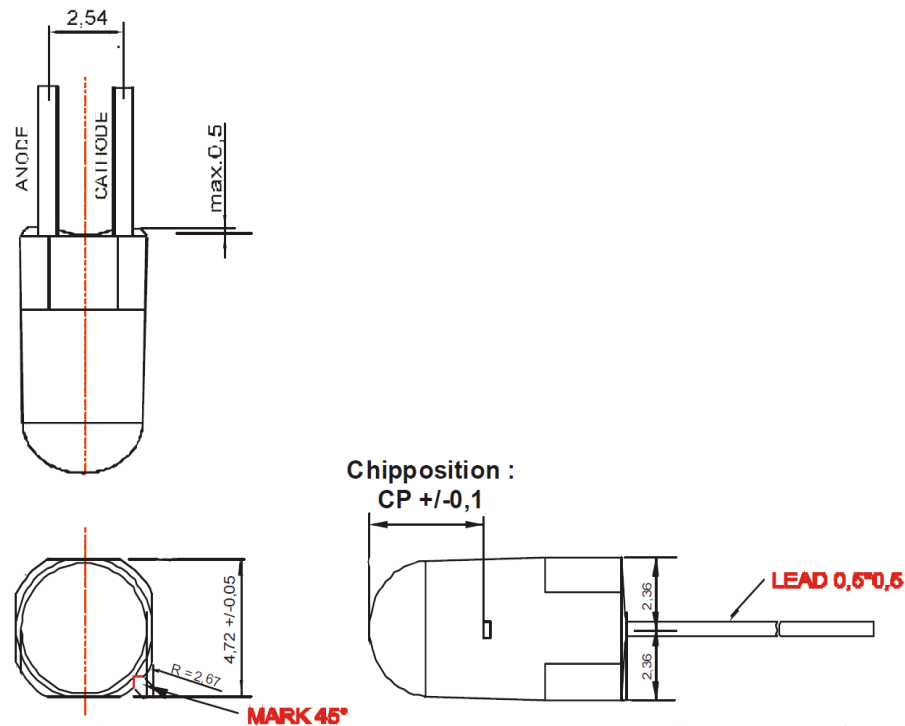
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Relative Radiation Angle

@20mA @ T_{ambient} = 25°C



Mechanical Drawing



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