Product Specification

CQR67122EBB 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			100	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	
Φ E	Total Power Output		4		mW	IF = 20mA
I E	Radiant Intensity	36	40		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		-1.5		mV/K	
T junction	LED-Junction Temperature			110	°C	
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	

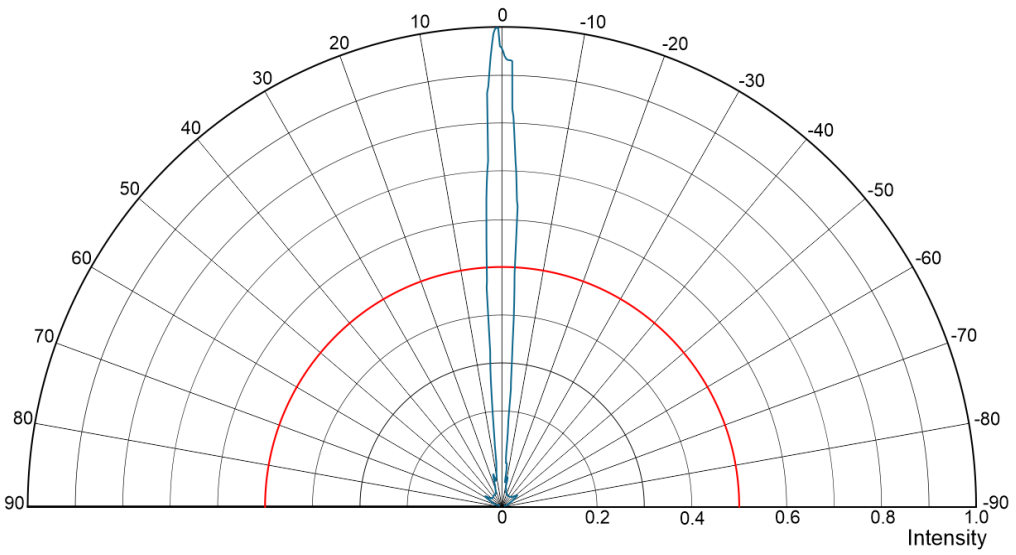
Order informations:

CQR67122EBB Bulk (1000pcs./Bag) /standard)

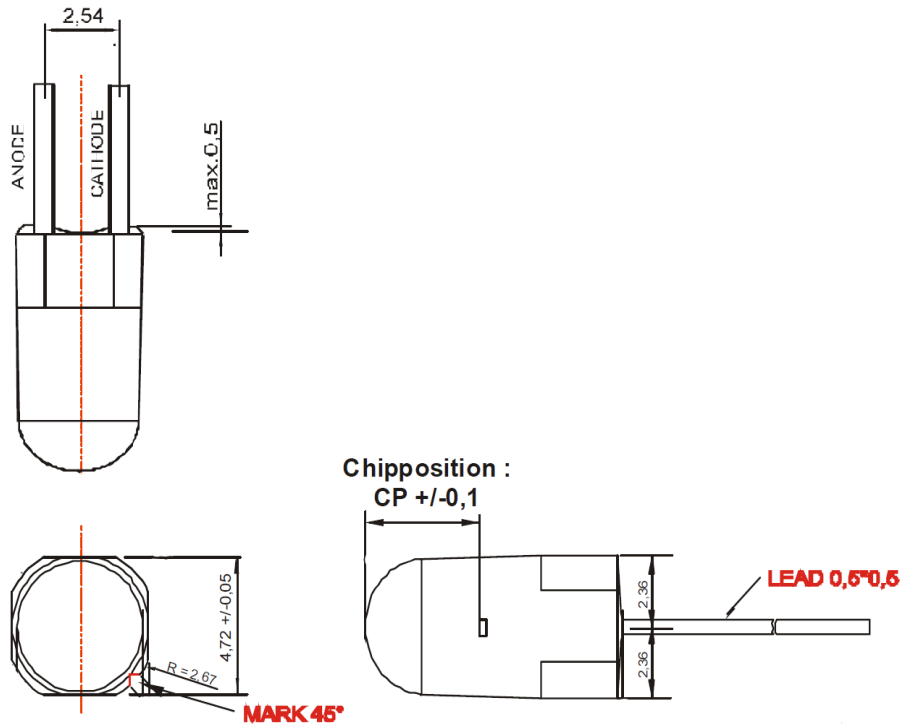
CQR67122EBB

Relative Radiation Angle

@20mA @ $T_{ambient}$ = 25°C



Mechanical Drawing



Pls. Contact us for more technical detail information !