

## Product Specification

**CQR67677EBB****1560nm****IR LED  
Edged Corner Bonded**

creativeled.com

**Features**

- \* Based on High Power GaAsAl substrat
- \* Based on High Power substrat
- \* High power and efficiency
- \* Reflow-soldering
- \* RoHs and REACH conform
- \* Edge Corner Chip

**Applications**

- \* Cat-2 Safety Light Guard
- \* IR-Flash-Lights
- \* Medical Instruments
- \* Light interrupter and switches

**\* 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			150	mA	
I Peak	Peak Forward current			400	mA	TP < 10µsec. ; T=1:100 ; Rtherm < 100K/W
V F	Forward Voltage		1.4	2.0	V	IF = 20mA
λ Peak	Peak Wavelength	1555	1560		nm	IF = 20mA
Δλ 0.5	Bandwide of half power		130		nm	IF = 20mA
t r	Rise time		3.5		µs	
t f	Fall time		7.8		µs	
Φ E	Total Power Output		0.4		mW	IF = 100mA
I E	Radiant Intensity	7	13		mW/sr	IF = 100mA
2Φ 0.5	Full Emission Angle		5		deg.	ΦE = 50%
A	Chip size		0.13		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			300	mW	

**Order informations:**

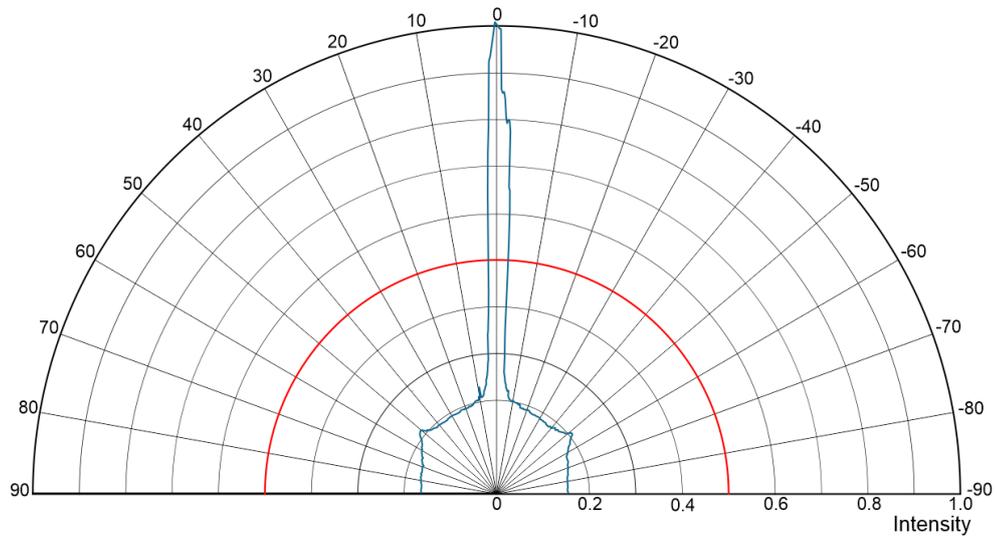
CQR67677EBB

Bulk (1000pcs./Bag) /standard)

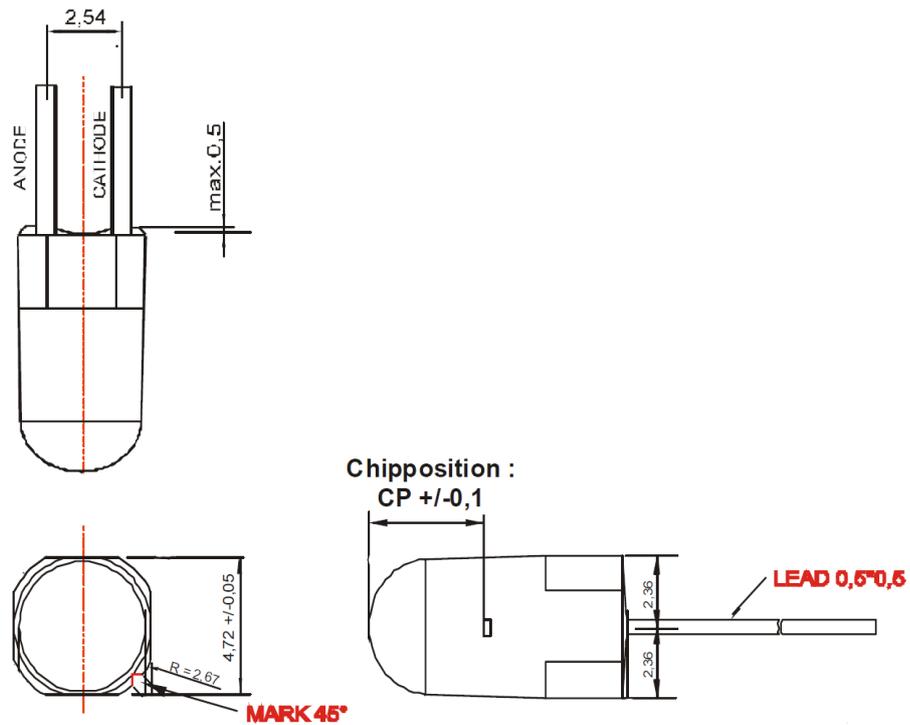
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## Relative Radiation Angle

@20mA @ T<sub>ambient</sub> = 25°C



## Mechanical Drawing



**Pls. Contact us for more technical detail information !**