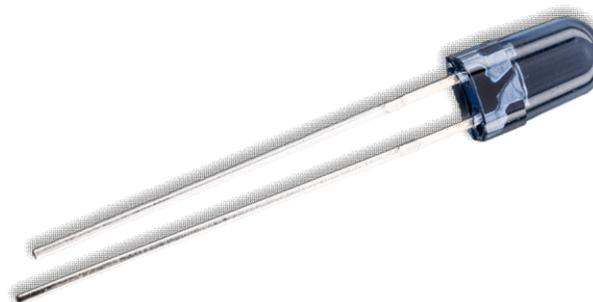


Product Specification**CQR67330EBB****655nm****RED LED**

createveled.com

Features

- * Verry Narrow Radiation of 6° full angle
- * Based on High Power AlInGaP substrat
- * Fast switching time : typ. < 25ns
- * High power and efficiency
- * Reflow-soldering
- * **Laser replacement for simple marking applications**
- * **RoHs and REACH conform**

**Applications**

- * Positioning, line projection & marking systems
- * Laser replacement for simple marking applications
- * 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			120	mA	Tp < 10µsec. ; T=1:100 ; Rtherm < 100K/W
V F	Forward Voltage	1,8		2,8	V	IF = 20mA
λ Peak	Peak Wavelength		655		nm	IF = 20mA
Δλ 0,5	Bandwide of half power		22		nm	IF = 20mA
t r	Rise time		25		ns	
t f	Fall time		25		ns	
Φ E	Total Power Output		75		mW	IF = 100mA
I E	Radiant Intensity	480	600		mW/sr	IF = 100mA
2Φ 0,5	Full Emission Angle		6		deg.	ΦE = 50%
A	Chip size		0,1296		mm ²	
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			112	mW	

Order informations:

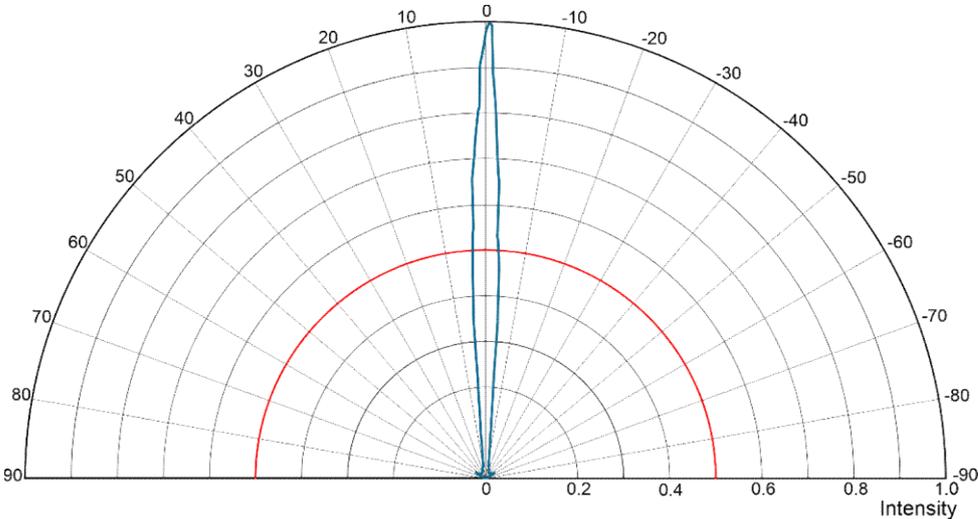
CQR67330EBB

Bulk (1000pcs./Bag) /standard)

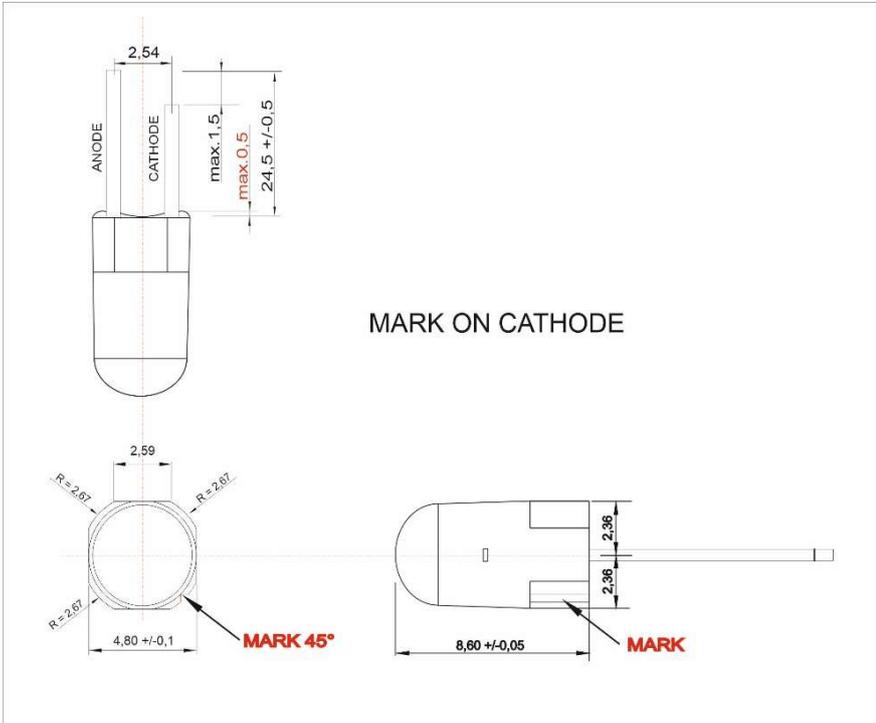
CQR67330EBB

Relative Radiation Angle

@20mA @ T_{ambient} = 25°C



Mechanical Drawing



Pls. Contact us for more technical detail information !