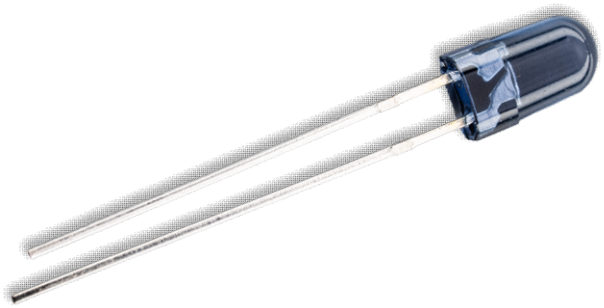
Product Specification

CQR67340EBB 700nm Infrared LED

creativeled.com

Features

* Verry Narrow Radiation of 6° full angle
* Based on High Power substrat
* Fast switching time : typ. < 25ns
* High power and efficiency
* 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			100	mA	
I Peak	Peak Forward current			500	mA	Tp < 10µsec. ; T=1:100 ; Rtherm < 100K/W
V F	Forward Voltage	1,4		2,4	V	IF = 20mA
λ Peak	Peak Wavelength	690	700		nm	IF = 20mA
Δλ 0,5	Bandwide of half power		21		nm	IF = 20mA
t r	Rise time		25		ns	
t f	Fall time		25		ns	
Φ E	Total Power Output		86		mW	IF = 100mA
I E	Radiant Intensity	600	700		mW/sr	IF = 100mA
2Φ 0,5	Full Emission Angle		6		deg.	ΦE = 50%
A	Chip size		0,1296		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			240	mW	

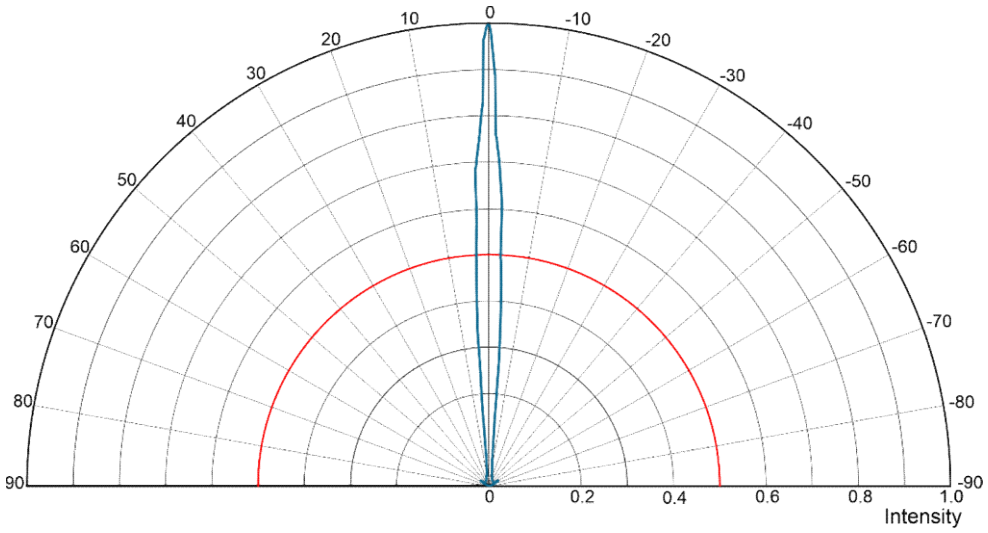
Order informations:

CQR67340EBB	Bulk (1000pcs./Bag) /standard)

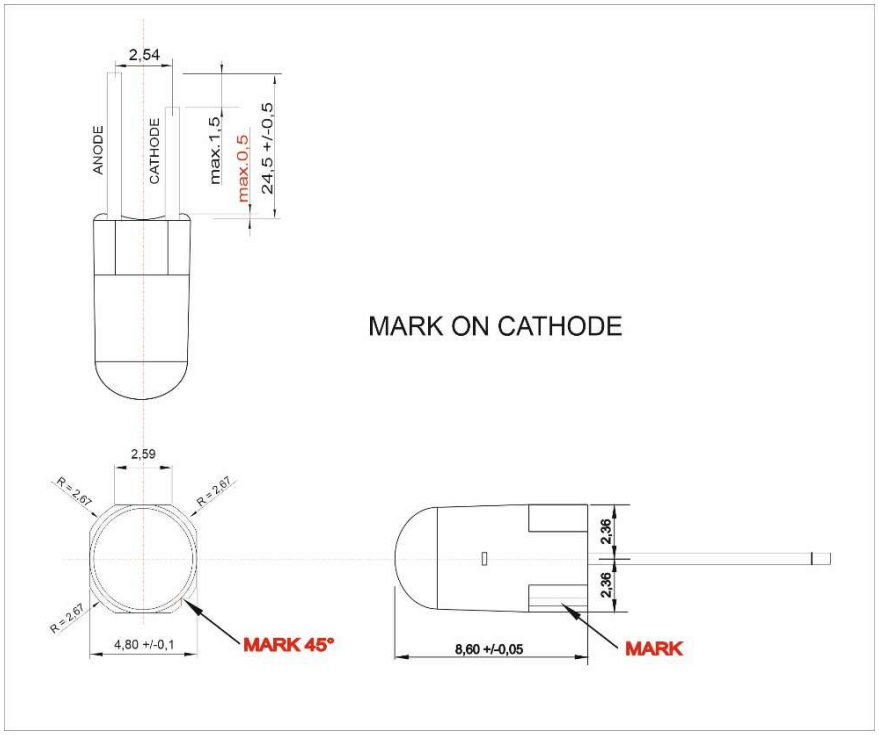
CQR67340EBB

Relative Radiation Angle

@20mA @ $T_{ambient}$ = 25°C



Mechanical Drawing



Pls. Contact us for more technical detail information !