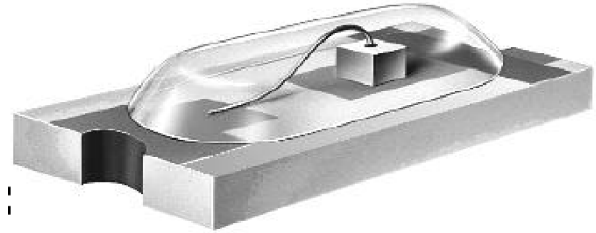


## CR 50 LR

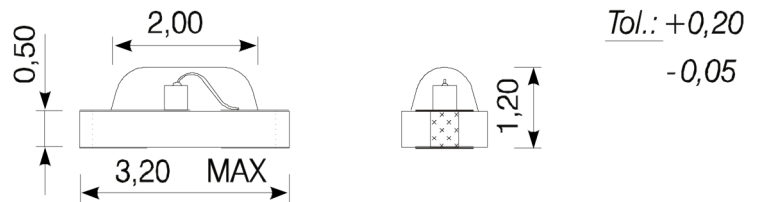
### Features

Solid State Ceramic Chip  
High Power Thermal Absorbtion  
Superior Light Uniformity Over 180°  
End-to-End and Side-to-Side Stackable to a pitch of 1.3mm  
Solderpads conform to Mil-Std 883B  
Red Clear Lens



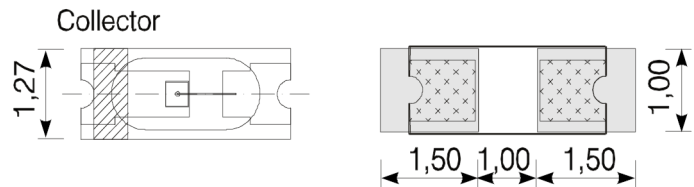
### Applications

Ideal For Back-Light Applications  
Custom Configurations



### Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I <sub>F</sub>	20	mA
Reverse Voltage	V <sub>R</sub>	100	V
Power Dissipation	P <sub>D</sub>	130.00	mW
Operating Temperature	T <sub>opr</sub>	-25 ~ +80	°C
Storage Temperature	T <sub>stg</sub>	-25 ~ +120	°C
Soldering Temperature	T <sub>sol</sub>	250	°C
Soldering Time	-	for 10 sec. max	-



### Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	-	2.10	2.30	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	100	μA
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	2.30	3.20	-	mcd
Viewing Angle	2θ <sup>1/2</sup>	-	-	180°	-	deg.
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =20mA	-	635	-	nm
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =20mA	-	625	-	nm
Spectral Line Half Width	Δλ	I <sub>F</sub> =20mA	-	40	-	nm

Specifications are Subject to Change Without Notice