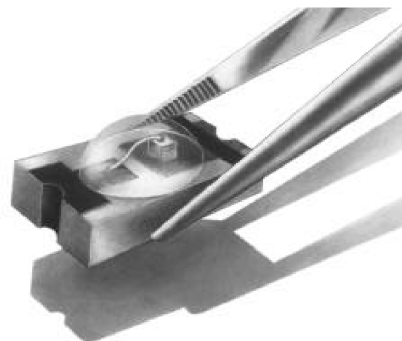


CR 10 NR

Features

Solid State Ceramic Chip
Surface Mounting Device
High Power Thermal Absorbtion
Superior Light Uniformity Over 180°
End to End Side to Side Stackable Down to a Pitch of 1,33mm
Solder Pads Conform to Mil-Std 883B
Normal Red LED
Red Clear Lens

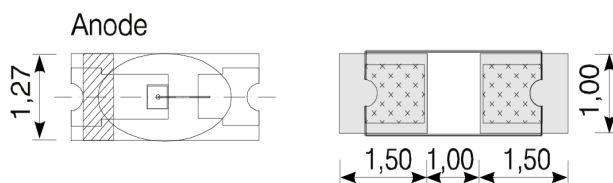
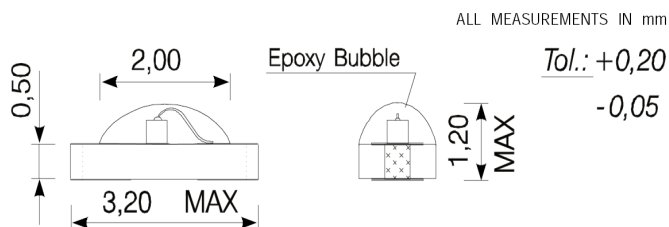


Applications

Ideal For Back Light Applications
Custom Configurations
Standard Applications

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	75	mA
Reverse Voltage	V _R	70	V
Power Dissipation	P _D	130.00	mW
Operating Temperature	T _{opr}	-25 ~ +80	°C
Storage Temperature	T _{stg}	-25 ~ +120	°C
Soldering Temperature	T _{sol}	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 _F	I _F =20mA	-	2.10	2.40	V
Reverse Current	I _R	V _R =5V	-	-	100	μA
Luminous Intensity	I _v	I _F =20mA	2.20	5.60	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	180°	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	660	-	nm
Dominant Wavelength	λ _d	I _F =20mA	-	643	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	35	-	nm

Company Headquarters

120 Broadway
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Toll Free: 800.984.5337
Fax: 518.432.7454

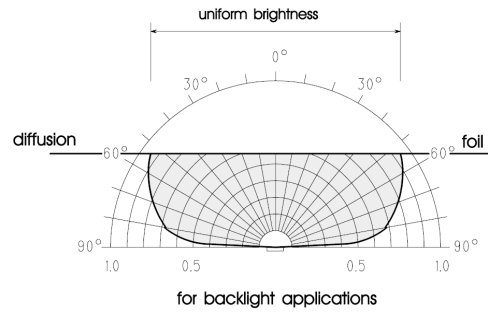
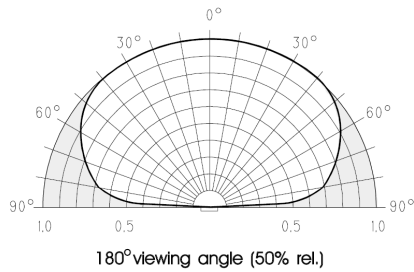


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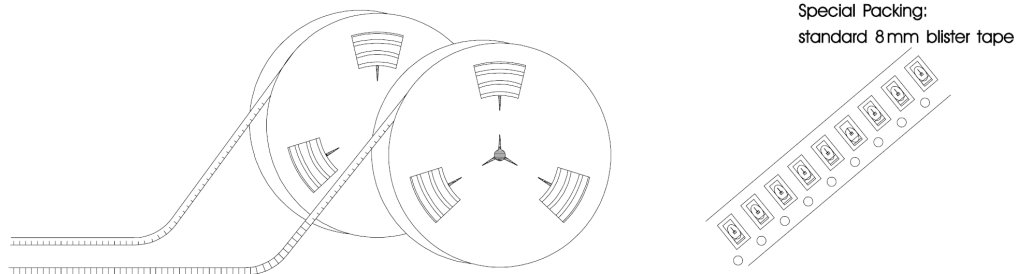
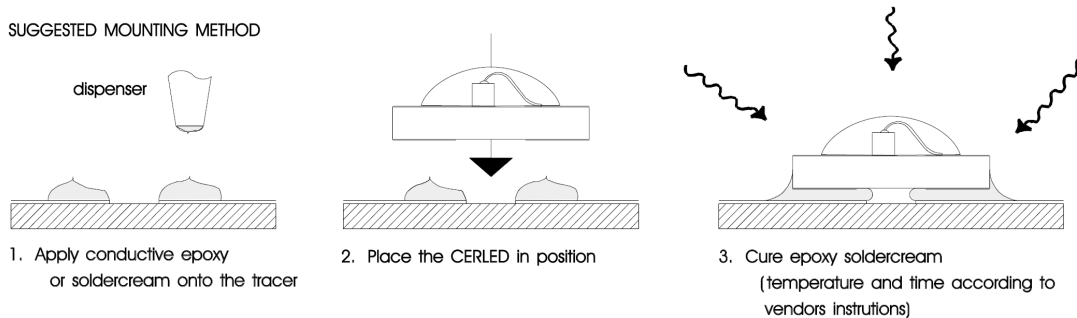
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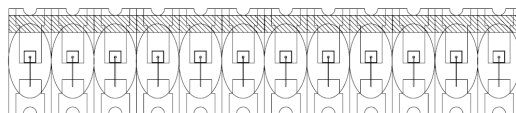
CR 10 NR Graphs



SUGGESTED MOUNTING METHOD



ARRAYS



Available in strips up to 12 CERLEDs with a max. pitch tolerance in spacing and linearity of $\pm 0,01$ mm between chip centers.