

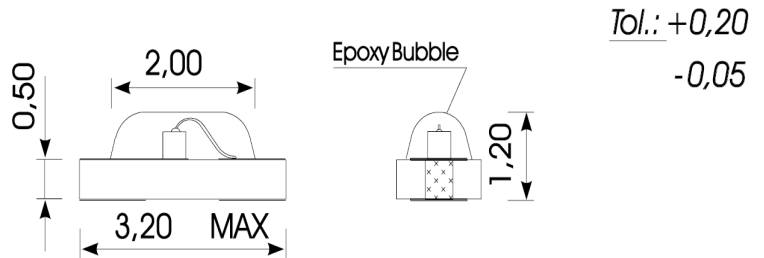
CR 52 LR

Features

Solid State Ceramic Chip
High Power Thermal Absorption
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 Diffused Lens

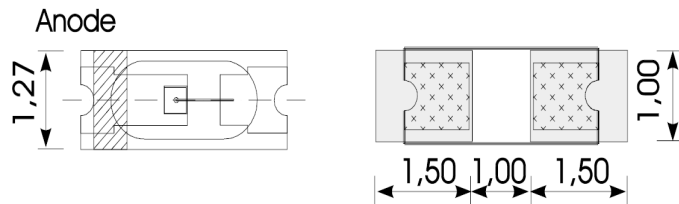
Applications

Ideal For Back-Light Applications
Custom Configurations



Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	20	mA
Reverse Voltage	V _R	100	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	2.30	V
Reverse Current	I _R	V _R =5V	-	-	100	μA
Luminous Intensity	I _v	I _F =20mA	2.30	3.20	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	180°	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	635	-	nm
Dominant Wavelength	λ _d	I _F =20mA	-	625	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	40	-	nm

Specifications are Subject to Change Without Notice

Company Headquarters

120 Broadway
Menands, New York 12204
Toll Free: 800.984.5337
Fax: 518.432.7454

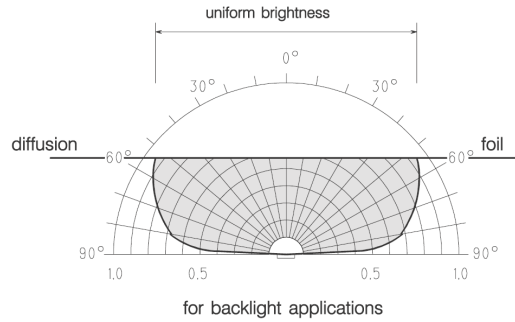
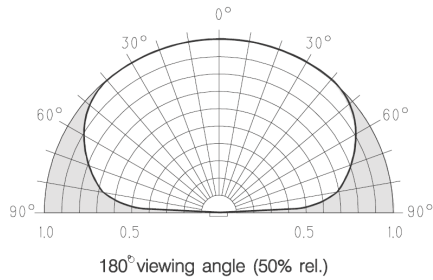


Web: www.marktechopto.com | Email: info@marktechopto.com

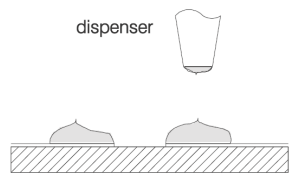
West Coast Sales Office

950 South Coast Drive, Suite 265
Costa Mesa, California 92626
Toll Free: 800.984.5337
Fax: 714.850.9314

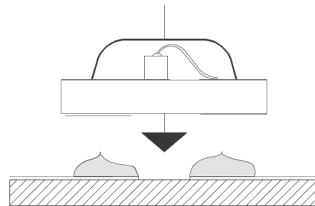
CR 52 LR Graphs



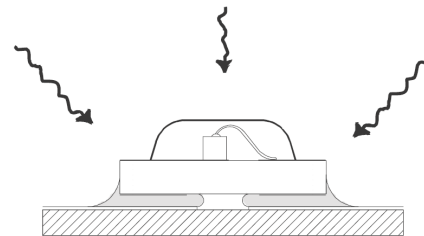
SUGGESTED MOUNTING METHOD



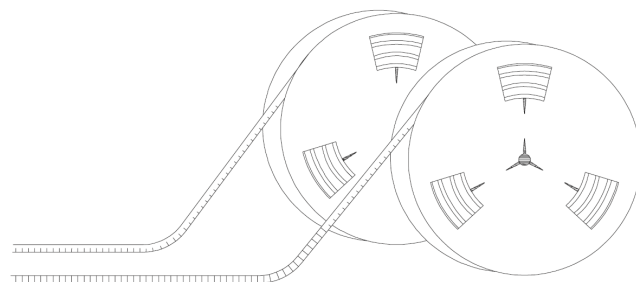
1. Apply conductive epoxy or soldercream onto the tracer



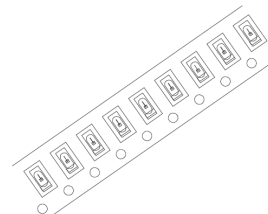
2. Place the CERLED in position



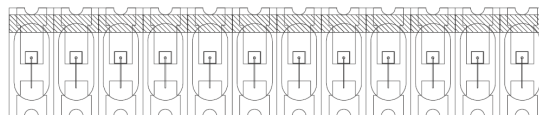
3. Cure epoxy soldercream (temperature and time according to vendors instructions)



Special Packing:
standard 8mm blister tape



ARRAYS



code to order strips:
CR50 XX - 10_

No of LEDs

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