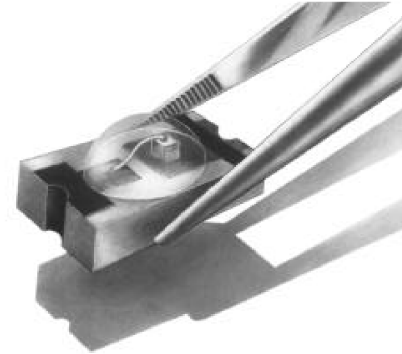


CR 10 SG

Features

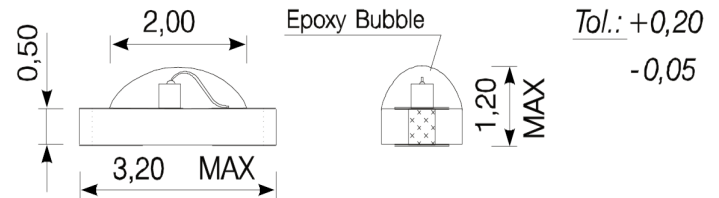
- Solid State Ceramic Chip
- Surface Mounting Device
- High Power Thermal Absorption
- Superior Light Uniformity Over 180°
- End to End Side to Side Stackable Down to a Pitch of 1,33mm
- Solder Pads Conform to Mil-Std 883B
- Green Clear Lens
- Strong Contrast w/Other Colors



Applications

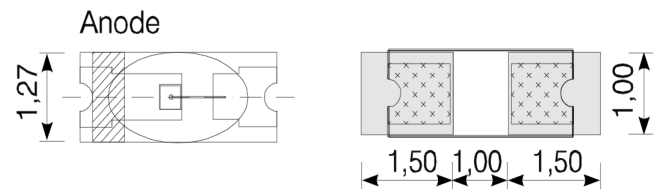
- Ideal For Back Light Applications
- Custom Configurations

ALL MEASUREMENTS IN mm



Maximum Ratings (Ta=25°C)

| Characteristic | Symbol | Max. | Unit |
|-----------------------|------------------|-----------------|------|
| Forward Current | I _F | 75 | mA |
| Reverse Voltage | V _R | 60 | 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 | - |



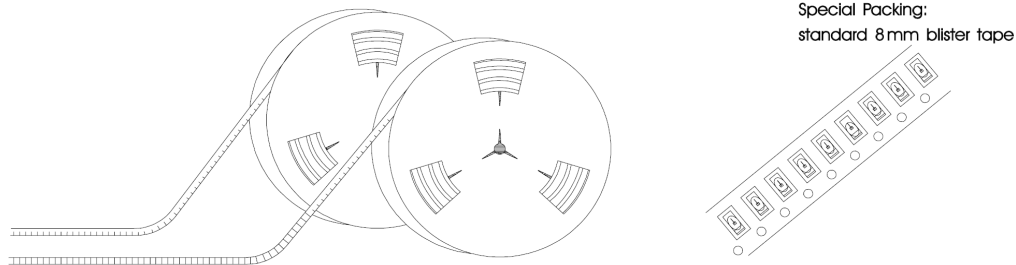
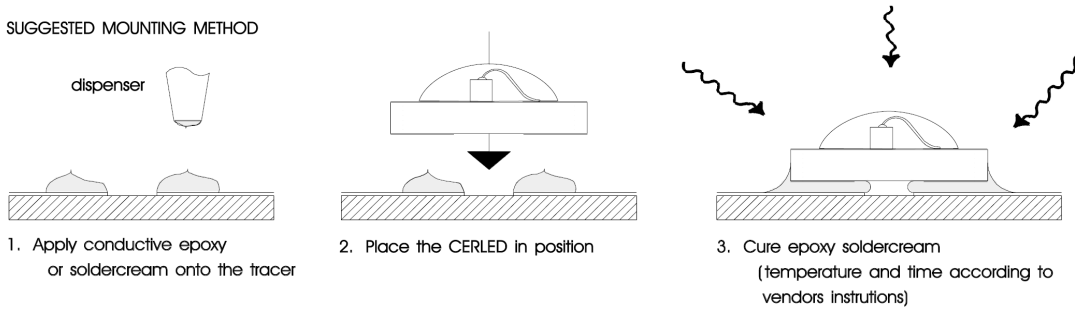
Opto-Electrical Characteristics (Ta=25°C)

| Characteristic | Symbol | Test Condition | Min | Typ | Max | Unit |
|--------------------------|-------------------|----------------------|------|------|------|------|
| Forward Voltage | V _F | I _F =20mA | - | 2.00 | 2.40 | V |
| Reverse Current | I _R | V _R =5V | - | - | 100 | μA |
| Luminous Intensity | I _v | I _F =20mA | 3.20 | 6.90 | - | mcd |
| Viewing Angle | 2θ ^{1/2} | - | - | 180° | - | deg. |
| Peak Wavelength | λ _p | I _F =20mA | - | 565 | - | nm |
| Dominant Wavelength | λ _d | I _F =20mA | - | 560 | - | nm |
| Spectral Line Half Width | Δλ | I _F =20mA | - | 25 | - | nm |

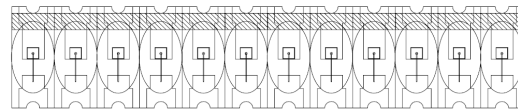
CR 10 SG Graphs



SUGGESTED MOUNTING METHOD



ARRAYS



code to order strips:
CR 10 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.