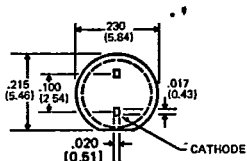


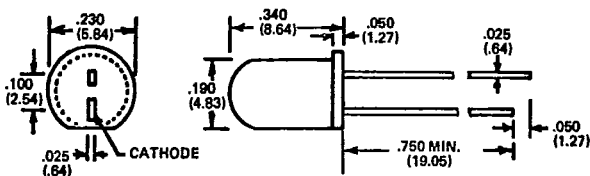
## Low Cost GaAsP Solid State LED Lamps T-13/4 with Red Diffused Lens 521-9200, 521-9240

521-9200



( ) Metric dimension in mm.

521-9240



( ) Metric dimension in mm.

### Features

- Low Cost
- Low Power Consumption - IC Compatible
- Intense Large Area Light Source
- Vibration and Shock Resistant
- Solid State Reliability - Life Measured in Years
- High On/Off Contrast
- Wide Viewing Angle

### Description

The 521-9200 and 521-9240 are Gallium Arsenide Phosphide Red Light Emitting Diodes for low cost or high volume applications.

The 521-9200 offers a space saving Low Profile T-1 3/4 red diffused epoxy package and an intense, large area light source of wide viewing angle. The lamp can be panel mounted using mounting clip 515-0005.

The 521-9240 is a Standard Profile T-1 3/4 version and can be panel mounted using mounting clip 515-0004.

### Maximum Ratings at $T_A = 25^\circ\text{C}$

| Parameter   | Red   | Units |
|---|---|-------|
| Power Dissipation (derate linearly from $25^\circ\text{C}$ at $1.6\text{mW}/^\circ\text{C}$ ) | 120   | mW    |
| Forward DC Current  | 50  | mA    |
| Peak Operating Forward Current ( $1\mu\text{sec}$ Pulse 300 pps)                              | 1   | A     |
| Operating and Storage Temperature   | $-55^\circ\text{C}$ to $+100^\circ\text{C}$ |       |
| Lead Solder Temperature   | $260^\circ\text{C}$ for 5 seconds           |       |

### Operating Characteristics at $T_A = 25^\circ\text{C}$

| Symbol         | Parameter          | Min. | Typ. | Max. | Units | Test Conditions       |
|----------------|--------------------|------|------|------|-------|-----------------------|
| $V_F$          | Forward Voltage    |      | 1.7  | 2.0  | V     | $I_F = 20\text{mA}$   |
| $BV_R$         | Reverse Voltage    | 3.0  | 8.0  |      | V     | $I_R = 10\mu\text{A}$ |
| $\lambda_{pk}$ | Wavelength         |      | 665  |      | nm    | $I_F = 20\text{mA}$   |
| $I_V$          | Luminous Intensity | 0.8  | 2.0  |      | mcd   | $I_F = 20\text{mA}$   |

Dialight reserves the right to make changes at anytime in order to improve design and to supply the best product possible.

# Low Cost GaAsP Solid State Lamps

## T-1 3/4 with Red Diffused Lens

### 521-9200, 521-9240

