

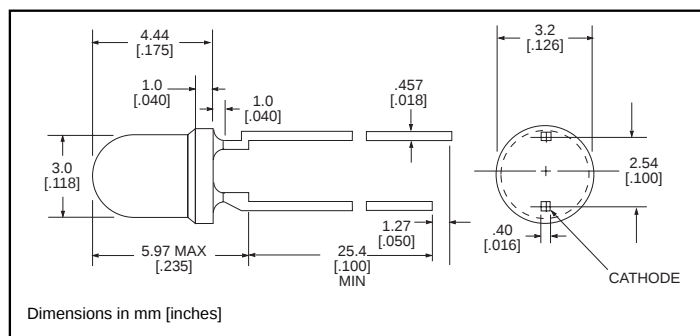
# 3mm Discrete LED

## High Efficiency

## Tinted, Non-Diffused

# Dialight

## 521-9430, -9431, -9432



### PART NO.

521-9430  
521-9431  
521-9432

### COLOR

Green  
Yellow  
Red

**MOUNTING CLIP: 515-0006**  
located on page 4-65

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### ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C)

|                                          | Green<br>-9430                     | Yellow<br>-9431 | Red<br>-9432 |
|------------------------------------------|------------------------------------|-----------------|--------------|
| Power Dissipation (mW)                   | 100                                | 60              | 100          |
| Forward Current (mA)                     | 30                                 | 20              | 30           |
| Derating (mA/°C) From 50°C               | .4                                 | .25             | .4           |
| Peak Current (mA)<br>Pulse width = 100µs | 120                                | 80              | 120          |
| Operating Temperature (°C)               | -55/+100                           | -55/+100        | -55/+100     |
| Storage Temperature (°C)                 | -55/+100                           | -55/+100        | -55/+100     |
| Soldering Temperature                    | 260°C, 5 seconds, 1.6 mm from case |                 |              |

Solder Adherence per MIL-STD-202E, Method 208C

### OPERATING CHARACTERISTICS (T<sub>A</sub>=25°C)

|                                    |         | Green<br>-9430 | Yellow<br>-9431 | Red<br>-9432 |
|------------------------------------|---------|----------------|-----------------|--------------|
| Luminous Intensity (mcd)           | Min.    | 32             | 10              | 8.7          |
| I <sub>F</sub> =10mA               | Typical | 50             | 20              | 29           |
| Peak Wavelength (nm)               | Typical | 565            | 585             | 635          |
| λ Peak                             |         |                |                 |              |
| Viewing Angle (2θ <sub>1/2</sub> ) | Typical | 45°            | 45°             | 45°          |
| Forward Voltage (V)                | Typical | 2.1            | 2.1             | 2            |
| I <sub>F</sub> =20mA               | Max.    | 2.8            | 2.8             | 2.8          |

θ<sub>1/2</sub> is the off axis angle at which the luminous intensity is half the axial luminous intensity