

# 550-3x09



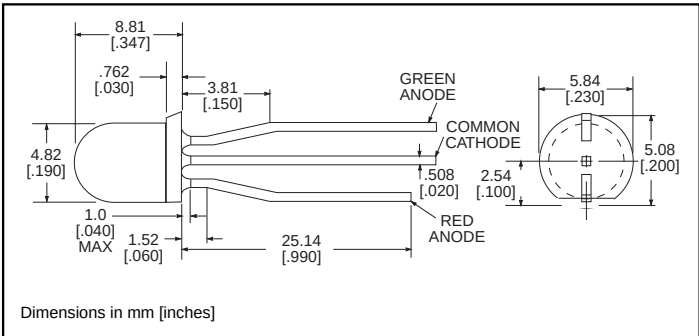
# 5mm Discrete LED

## Bi-Color

### 3 Ledged, Non-Tinted, Diffused

# Dialight

## 521-9450, -9460



| PART NO. | LED COLOR               |
|----------|-------------------------|
| 521-9450 | Red/Green               |
| 521-9460 | Yellow/Green <b>NEW</b> |

**MOUNTING CLIP: 515-0004**  
located on page 6-48

| <b>ABSOLUTE MAXIMUM RATINGS</b> ( $T_A=25^{\circ}\text{C}$ )                                | Red/Green                                            | Yellow/Green |
|---------------------------------------------------------------------------------------------|------------------------------------------------------|--------------|
|                                                                                             | <b>-9450</b>                                         | <b>-9460</b> |
| Power Dissipation (mW)                                                                      | 135/135                                              | 135/135      |
| Forward Current (mA)                                                                        | 25/25                                                | 25/25        |
| Derating (mA/ $^{\circ}\text{C}$ ) From 50 $^{\circ}\text{C}$ 1. From 40 $^{\circ}\text{C}$ | .5/.5                                                | .5/.5        |
| Peak Current (mA)                                                                           | 90/90                                                | 90/90        |
| Pulse width = 10 $\mu\text{s}$                                                              |                                                      |              |
| Operating Temperature ( $^{\circ}\text{C}$ )                                                | -20/+85                                              | -20/+85      |
| Storage Temperature ( $^{\circ}\text{C}$ )                                                  | -55/+100                                             | -55/+100     |
| Soldering Temperature                                                                       | 260 $^{\circ}\text{C}$ , 5 seconds, 1.6 mm from case |              |

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

| <b>OPERATING CHARACTERISTICS</b> ( $T_A=25^{\circ}\text{C}$ ) |         | Red/Green     | Yellow/Green  |
|---------------------------------------------------------------|---------|---------------|---------------|
|                                                               |         | <b>-9450</b>  | <b>-9460</b>  |
| Luminous Intensity (mcd)                                      | Min.    | 2.1/4.2       | 2.1/4.2       |
| $I_F=10\text{mA}$                                             | Typical | 5/8           | 5/8           |
| Peak Wavelength (nm)                                          | Typical | 635/565       | 583/565       |
| $\lambda_{\text{Peak}}$                                       |         |               |               |
| Viewing Angle ( $2\theta^{\circ}$ )                           | Typical | 65 $^{\circ}$ | 65 $^{\circ}$ |
| Forward Voltage (V)                                           | Typical | 2.1/2.3       | 2.1/2.1       |
| $I_F=10\text{mA}$                                             | Max.    | 2.5/2.7       | 2.5/2.5       |

$\theta^{\circ}$  is the off axis angle at which the luminous intensity is half the axial luminous intensity

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