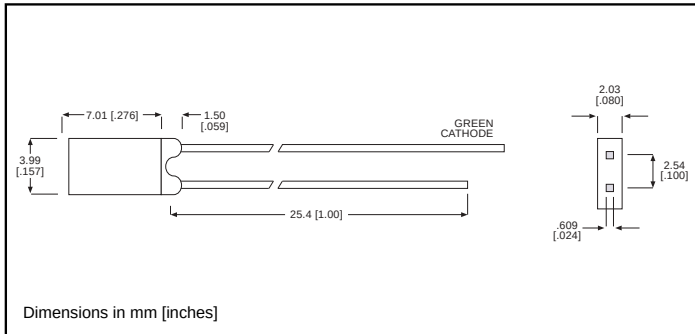


# 2mm x 4mm Discrete LED

## Rectangular - Bi-Color

### Non-Tinted, Diffused

**Dialight**  
521-9640, -9743



#### PART NO.

521-9640

521-9743

#### COLOR

Yellow/Green

Red/Green

#### **ABSOLUTE MAXIMUM RATINGS** ( $T_A=25^\circ\text{C}$ )

|                                                          | Yellow/Green<br><b>-9640</b>                       | Red/Green<br><b>-9743</b> |
|----------------------------------------------------------|----------------------------------------------------|---------------------------|
| Power Dissipation (mW)                                   | 60/100                                             | 100/100                   |
| Forward Current (mA)                                     | 20/30                                              | 30/30                     |
| Derating (mA/ $^\circ\text{C}$ ) From $50^\circ\text{C}$ | .25/.4                                             | .4/.4                     |
| Peak Current (mA)<br>Pulse width = 100 $\mu\text{s}$     | 80/120                                             | 120/120                   |
| Operating Temperature ( $^\circ\text{C}$ )               | -55/+100                                           | -55/+100                  |
| 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

#### **OPERATING CHARACTERISTICS** ( $T_A=25^\circ\text{C}$ )

|                                   |         | Yellow/Green<br><b>-9640</b> | Red/Green<br><b>-9743</b> |
|-----------------------------------|---------|------------------------------|---------------------------|
| Luminous Intensity (mcd)          | Min.    | .7/1.1                       | 1.7/1.7                   |
|                                   | Typical | 2.5/3.7                      | 5.6/5.6                   |
| Peak Wavelength (nm)              | Typical | 585/565                      | 630/565                   |
| $\lambda$ Peak                    |         |                              |                           |
| Viewing Angle ( $2\theta^{1/2}$ ) | Typical | 140 $^\circ$                 | 140 $^\circ$              |
| Forward Voltage (V)               | Typical | 2.1/2.1                      | 2/2.1                     |
|                                   | Max.    | 2.8/2.8                      | 2.8/2.8                   |

$\theta^{1/2}$  is the off axis angle at which the luminous intensity is half the axial luminous intensity

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