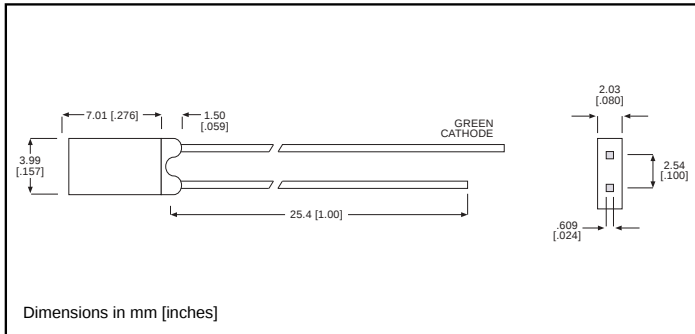


# 2mm x 4mm Discrete LED

## 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<sub>A</sub>=25°C)

|                                           | Yellow/Green<br>-9640              | Red/Green<br>-9743 |
|-------------------------------------------|------------------------------------|--------------------|
| Power Dissipation (mW)                    | 60/100                             | 100/100            |
| Forward Current (mA)                      | 20/30                              | 30/30              |
| Derating (mA/°C) From 50°C                | .25/.4                             | .4/.4              |
| Peak Current (mA)<br>Pulse width = 100 μs | 80/120                             | 120/120            |
| Operating Temperature (°C)                | -55/+100                           | -55/+100           |
| Storage Temperature (°C)                  | -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)

|                                  |         | Yellow/Green<br>-9640 | Red/Green<br>-9743 |
|----------------------------------|---------|-----------------------|--------------------|
| Luminous Intensity (mcd)         | Min.    | .7/1.1                | 1.7/1.7            |
| I <sub>F</sub> =20mA             | Typical | 2.5/3.7               | 5.6/5.6            |
| Peak Wavelength (nm)             | Typical | 585/565               | 630/565            |
| λ Peak                           |         |                       |                    |
| Viewing Angle (2θ <sup>1</sup> ) | Typical | 140°                  | 140°               |
| Forward Voltage (V)              | Typical | 2.1/2.1               | 2/2.1              |
| I <sub>F</sub> =20mA             | Max.    | 2.8/2.8               | 2.8/2.8            |

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