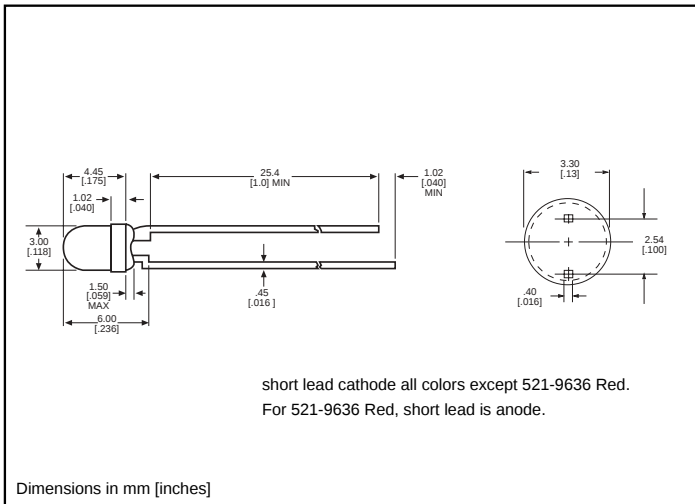


# 3mm Discrete LED High Efficiency Diffused 521

# Dialight

**521-9210, -9211, -9216, -9498, -9636**



PART NO.   COLOR

521-9210      Green

521-9211 Yellow

521-9216      Red

521-9498    Orange

521-9636 Red

**NEW**

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

| <b>ABSOLUTE MAXIMUM RATINGS</b> (T <sub>A</sub> =25°C)   | Green<br><b>-9210</b>              | Yellow<br><b>-9211</b> | Red<br><b>-9216</b> | Orange<br><b>-9498</b> | Red<br><b>-9636</b> |
|----------------------------------------------------------|------------------------------------|------------------------|---------------------|------------------------|---------------------|
| Power Dissipation (mW)                                   | 100                                | 60                     | 100                 | 135                    | 100                 |
| Forward Current (mA)                                     | 30                                 | 20                     | 30                  | 25                     | 40                  |
| Derating (mA/°C) <i>From 50°C</i> <sup>1</sup> from 25°C | .4                                 | .25                    | .4                  | .5                     | .5 <sup>1</sup>     |
| Operating Temperature (°C)                               | -55/+100                           | -55/+100               | -55/+100            | -55/+100               | -55/+100            |
| Storage Temperature (°C)                                 | -55/+100                           | -55/+100               | -55/+100            | -55/+100               | -55/+100            |
| Soldering Temperature                                    | 260°C, 5 seconds, 1.6 mm from body |                        |                     |                        |                     |

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

| <b>OPERATING CHARACTERISTICS</b> (T <sub>A</sub> =25°C) |         | Green<br><b>-9210</b> | Yellow<br><b>-9211</b> | Red<br><b>-9216</b> | Orange<br><b>-9498</b> | Red<br><b>-9636</b> |
|---------------------------------------------------------|---------|-----------------------|------------------------|---------------------|------------------------|---------------------|
| Luminous Intensity (mcd)                                | Min.    | 4.7                   | 7.4                    | 7.4                 | 3.4                    | 8.7 <sup>1</sup>    |
| I <sub>F</sub> =10mA <sup>1</sup> I <sub>F</sub> =20mA  | Typical | 12.6                  | 10                     | 10                  | 7                      | 48 <sup>1</sup>     |
| Peak Wavelength (nm)                                    | Typical | 565                   | 585                    | 635                 | 600                    | 660                 |
| λ Peak                                                  |         |                       |                        |                     |                        |                     |
| Viewing Angle (2Θ <sup>1/2</sup> )                      | Typical | 60°                   | 60°                    | 60°                 | 60°                    | 60°                 |
| Forward Voltage (V)                                     | Typical | 2.1 <sup>1</sup>      | 2.1 <sup>1</sup>       | 2 <sup>1</sup>      | 2.2                    | 1.8 <sup>1</sup>    |
| I <sub>F</sub> =10mA <sup>1</sup> I <sub>F</sub> =20mA  | Max.    | 2.8 <sup>1</sup>      | 2.8 <sup>1</sup>       | 2.8 <sup>1</sup>    | 3                      | 2.4 <sup>1</sup>    |
| Reverse Voltage (V), I <sub>R</sub> =100μA              | Max.    | 5                     | 5                      | 5                   | 5                      | 4                   |

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