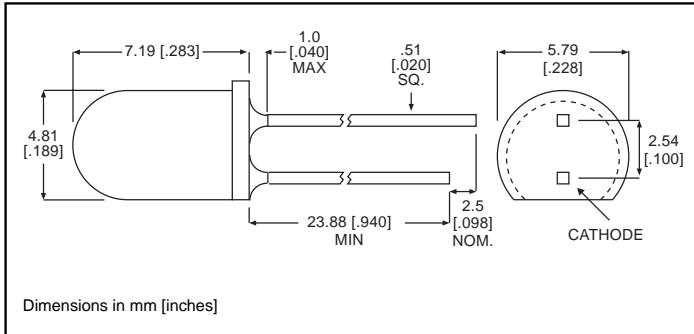


**5mm Discrete LED**  
**Low Profile**  
**Diffused**

**Dialight**

**521-9173, -9174, -9445**



PART NO.	COLOR
521-9173	Green
521-9174	Yellow
521-9445	Red

**MOUNTING CLIP: 515-0005**  
 located on page 6-48

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

	Green <b>-9173</b>	Yellow <b>-9174</b>	Red <b>-9445</b>
Power Dissipation (mW)	75	60	60
Derating (mW/°C) <i>From 50°C 1. From 40°C</i>	1.14	1.14	.66 <sup>1</sup>
Forward Current (mA)	25	20	20
Peak Current (mA) <i>Pulse width = 1 μs</i>	60	60	60
Operating Temperature (°C)	-25/+85	-25/+85	-25/+85
Storage Temperature (°C)	-30/+100	-30/+100	-30/+100
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case		

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

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

		Green <b>-9173</b>	Yellow <b>-9174</b>	Red <b>-9445</b>
Luminous Intensity (mcd)	Min.	3.6	2.2	2.2
	Typical	10	6.3	6.3
Peak Wavelength (nm)	Typical	565	585	650
$\lambda$ Peak				
Viewing Angle ( $2\theta$ °)	Typical	70°	70°	50°
Forward Voltage (V)	Typical	2.1	2.1	2
	Max.	3	3	3
Reverse Voltage (V), $I_R=100\mu\text{A}$	Min.	5	5	3*
* $I_R=10\mu\text{A}$				

$\theta$  is the off axis angle at which the luminous intensity is half the axial luminous intensity