

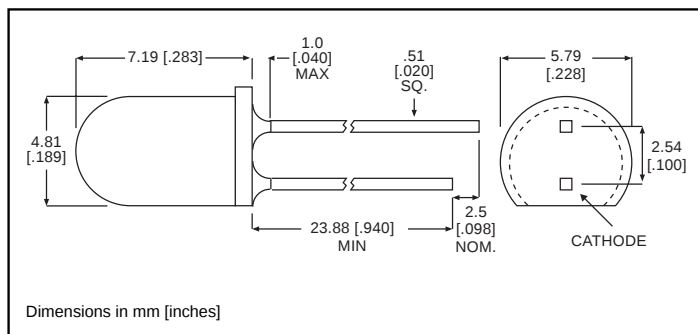
5mm Discrete LED

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 -9173	Yellow -9174	Red -9445
Power Dissipation (mW)	75	60	60
Derating (mW/ $^{\circ}\text{C}$)	1.14	1.14	.66 ¹
Forward Current (mA)	25	20	20
Peak Current (mA)	60	60	60
Pulse width = 1 μs			
Operating Temperature ($^{\circ}\text{C}$)	-25/+85	-25/+85	-25/+85
Storage Temperature ($^{\circ}\text{C}$)	-30/+100	-30/+100	-30/+100
Soldering Temperature	260 $^{\circ}\text{C}$, 5 seconds, 1.6 mm from case		

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

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

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

θ° is the off axis angle at which the luminous intensity is half the axial luminous intensity