

◆ Home > 5219464F

Part Number: **5219464F**


### General Description

Series	521
Configuration	5 mm Lens
Description	Discrete LED Lamp
Package Options	Bulk Packaging
Sizes	5mm
Lamp Type	Single Color
Lens Color	Water Clear

### Absolute Maximum Ratings (Ta = 25°)

Forward Current mA	30mA
Forward Current Pulsed	500mA
Derating	from 25° @ 1.8mW/°C
Solder Temperature	260° for 5 sec
Operating Temperature	-55 ~ +100
Storage Temperature	-55 ~ +100

### Operating Characteristics

Color	 Red
LED Type	GaAsP/GaP
Luminous Intensity Min	80
Luminous Intensity Typical	125
Test Current mA	20mA
Power Dissipation Max	135mW



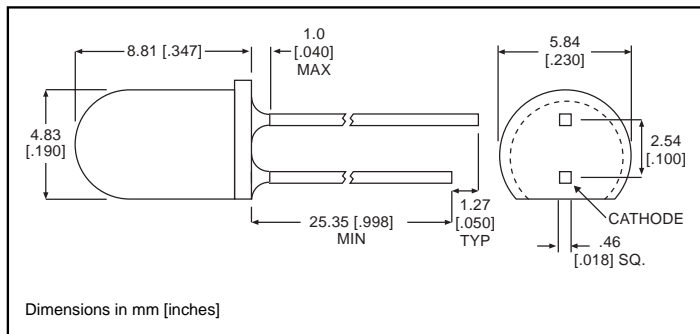
This is a  
RoHS Compliant Product  
To learn more click here



**5mm Discrete LED**  
**Super Bright, Water Clear**  
**Non-Tinted, Non-Diffused**

**Dialight**

**521-9464,-9465,-9466**



**PART NO. COLOR**

521-9464	Red
521-9465	Green
521-9466	Yellow

**MOUNTING CLIP: 515-0004**  
 located on page 6-48

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

	Red <b>-9464</b>	Green <b>-9465</b>	Yellow <b>-9466</b>
Power Dissipation (mW)	135	135	85
Derating (mW/°C) <i>From 25°C 1. From 50 °C</i>	1.8	1.8	1.6 <sup>1</sup>
Forward Current (mA)	30	30	20
Peak Current (mA) <i>Pulse width = 10 μs</i>	500	500	500
Operating Temperature (°C)	-55/+100	-20/+100	-55/+100
Storage Temperature (°C)	-55/+100	-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** ( $T_A=25^\circ\text{C}$ )

		Red <b>-9464</b>	Green <b>-9465</b>	Yellow <b>-9466</b>
Luminous Intensity (mcd)	Min.	80	80	80
	Typical	125	120	140
Peak Wavelength (nm)	Typical	635	565	583
Viewing Angle ( $2\theta^{1/2}$ )	Typical	24°	24°	24°
Forward Voltage (V)	Typical	2.2	2.3	2.2
	Max.	3	3	3
Reverse Voltage (V), $I_R=100\mu\text{A}$	Min.	5	5	5

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

**6**