

◆ Home > 5219211F

Part Number: **5219211F**


General Description

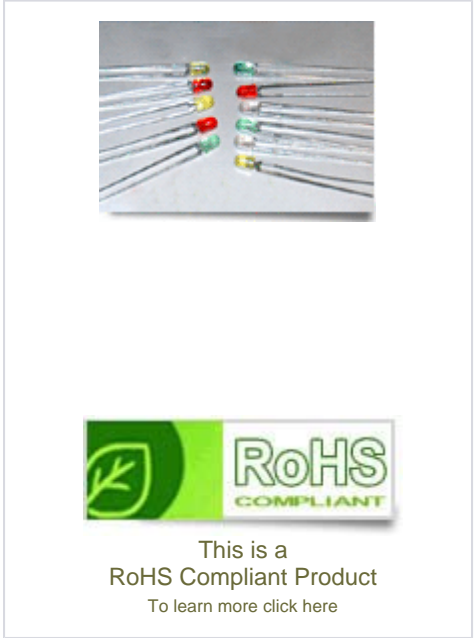
Series	521
Configuration	3 mm Lens
Description	Discrete LED Lamp
Package Options	Bulk Packaging
Sizes	3mm
Lamp Type	Single Color
Lens Color	Diffused

Absolute Maximum Ratings (Ta = 25°)

Forward Current mA	20mA
Reverse Current	100 @ Vr = 5V
Forward Current Pulsed	80mA
Derating	from 50° @ .25mA/°C
Solder Temperature	260° for 5 sec
Operating Temperature	-55 ~ +100
Storage Temperature	-55 ~ +100

Operating Characteristics

Color	 Yellow
LED Type	Standard Efficiency
Luminous Intensity Min	7.4
Luminous Intensity Typical	10
Test Current mA	20mA
Power Dissipation Max	60mW



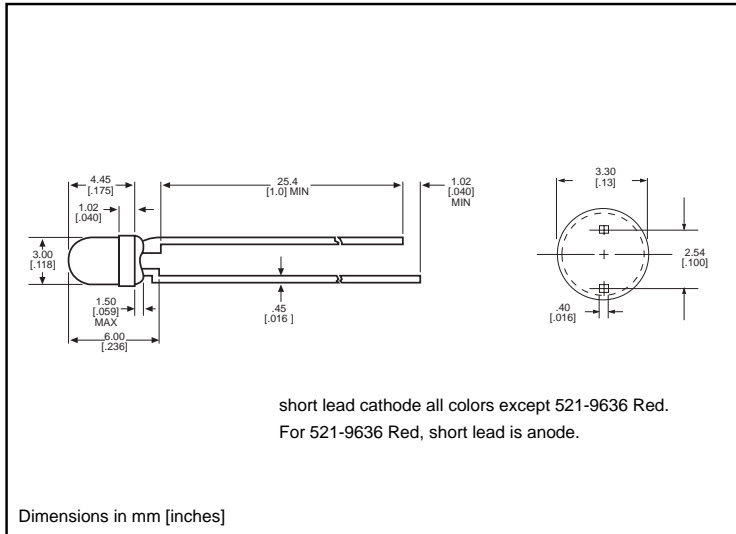
3mm Discrete LED

High Efficiency

Diffused

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

Dialight



short lead cathode all colors except 521-9636 Red.
For 521-9636 Red, short lead is anode.

PART NO. COLOR

521-9210	Green
521-9211	Yellow
521-9216	Red
521-9498	Orange
521-9636	Red



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

ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)	Green -9210	Yellow -9211	Red -9216	Orange -9498	Red -9636
Power Dissipation (mW)	100	60	100	135	100
Forward Current (mA)	30	20	30	25	40
Derating (mA/°C) From 50°C ¹ from 25°C	.4	.25	.4	.5	.5 ¹
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

OPERATING CHARACTERISTICS ($T_A=25^\circ\text{C}$)		Green -9210	Yellow -9211	Red -9216	Orange -9498	Red -9636
Luminous Intensity (mcd)	Min.	4.7	7.4	7.4	3.4	8.7 ¹
	Typical	12.6	10	10	7	48 ¹
Peak Wavelength (nm)	Typical	565	585	635	600	660
Viewing Angle ($2\theta^{1/2}$)	Typical	60°	60°	60°	60°	60°
Forward Voltage (V)	Typical	2.1 ¹	2.1 ¹	2 ¹	2.2	1.8 ¹
	Max.	2.8 ¹	2.8 ¹	2.8 ¹	3	2.4 ¹
Reverse Voltage (V), $I_R=100\mu\text{A}$	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