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Part Number: **5219210F**


General Description

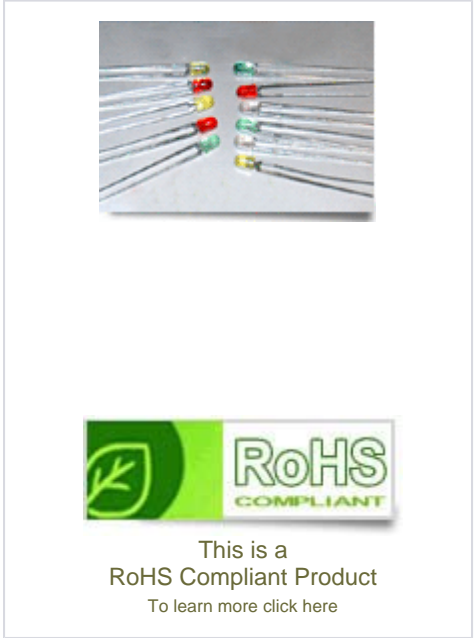
Series	521
Configuration	3 mm Lens
Description	Discrete LED Lamp
Package Options	Bulk Packaging
Sizes	3mm
Lamp Type	Single Color
Lens Color	Diffused

Absolute Maximum Ratings (Ta = 25°)

Forward Current mA	30mA
Reverse Current	100 @ Vr = 5V
Forward Current Pulsed	120mA
Derating	from 50° @ .4mA/°C
Solder Temperature	260° for 5 sec
Operating Temperature	-55~ +100
Storage Temperature	-55~ +100

Operating Characteristics

Color	 Green
LED Type	Standard Efficiency
Luminous Intensity Min	4.7
Luminous Intensity Typical	12.6
Test Current mA	20mA
Power Dissipation Max	100mW



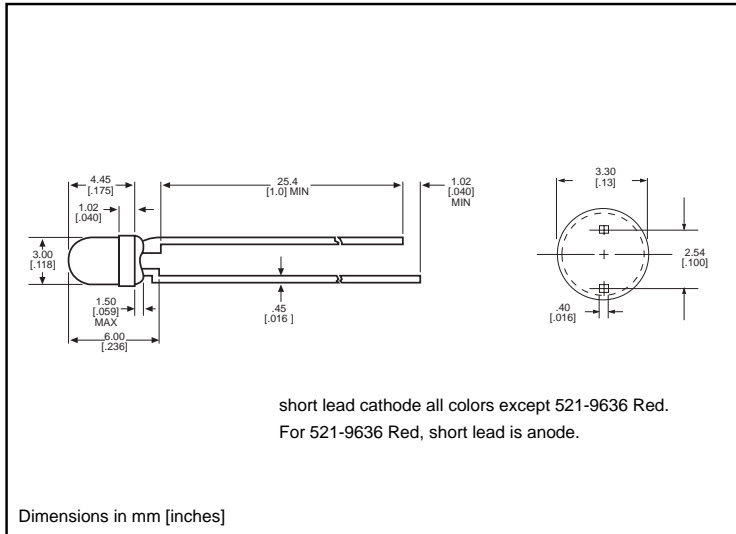
3mm Discrete LED

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
$I_F=10\text{mA}$ ¹ $I_F=20\text{mA}$	Typical 12.6	10	10	7	48 ¹
Peak Wavelength (nm)	Typical 565	585	635	600	660
λ_{Peak}					
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
$I_F=10\text{mA}$ ¹ $I_F=20\text{mA}$	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