Home> 5219210F

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

This is a
RoHS Compliant Product
To learn more click here

Absolute Maximum Ratings (Ta = 25°)

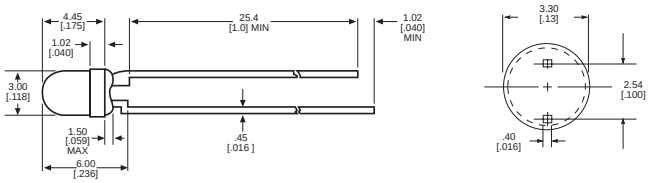
Forward Current mA	30mA
Reverse Current	100 @ Vr = 5V
Forward Current Pulsed	120mA
Derating	from 50° @ .4mA/°C
Solder Temperature	260° for 5 sec
Operating Temperature	-55~+100
Storage Temperature	-55~+100

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.

Dimensions in mm [inches]

PART NO.	COLOR
521-9210	Green
521-9211	Yellow
521-9216	Red
521-9498	Orange
521-9636	Red

NEW

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

ABSOLUTE MAXIMUM RATINGS (T_A=25°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°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=10mA [1] I_F=20mA	Typical	12.6	10	10	7	48[1]
Peak Wavelength (nm) λ Peak	Typical	565	585	635	600	660
Viewing Angle (2Θ ½)	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=10mA [1] I_F=20mA	Max.	2.8[1]	2.8[1]	2.8[1]	3	2.4[1]
Reverse Voltage (V), I_R=100µA	Max.	5	5	5	5	4

Θ ½ *is the off axis angle at which the luminous intensity is half the axial luminous intensity*