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Part Number: **5219498F**


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	25mA
Reverse Current	100 @ Vr = 5V
Forward Current Pulsed	90mA
Derating	from 50° @ .50 mA/°C
Solder Temperature	260° for 5 sec
Operating Temperature	-55 ~ +100
Storage Temperature	-55 ~ +100

Operating Characteristics

Color	 Orange
LED Type	GaAsP/GaP
Luminous Intensity Min	3.4
Luminous Intensity Typical	7
Luminous Intensity Max	10.8
Forward Voltage Min	1.5
Test Current mA	10mA
Dominant Wavelength Typical	602nm
Power Dissipation Max	135mW



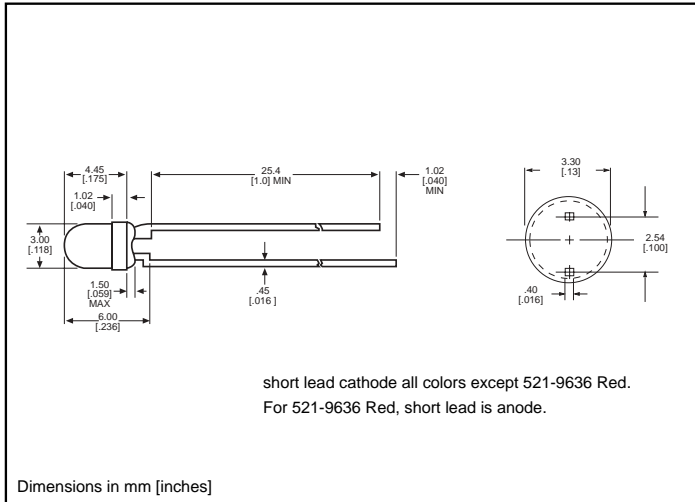
This is a
RoHS Compliant Product
To learn more click here

3mm Discrete LED

High Efficiency

Diffused

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



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°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
Peak Wavelength (nm)	Typical	565	585	635	600	660
Viewing Angle (2θ °)	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
Reverse Voltage (V), I _R =100µA	Max.	5	5	5	5	4

¹ is the off axis angle at which the luminous intensity is half the axial luminous intensity