

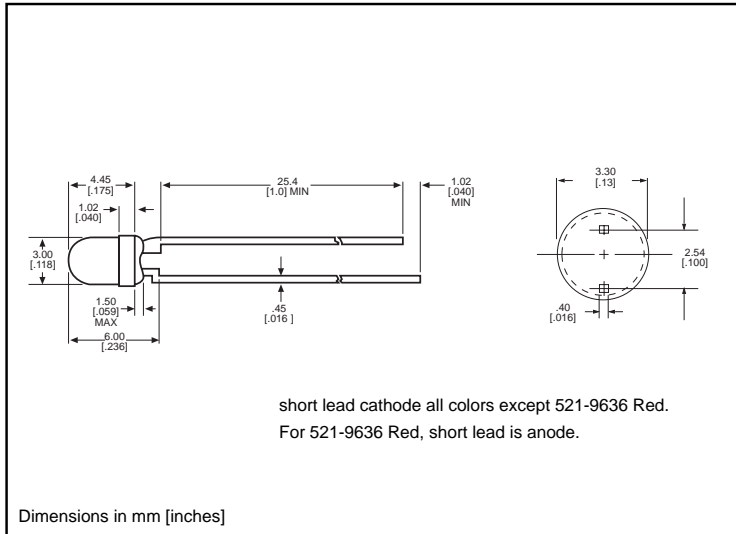
3mm Discrete LED

High Efficiency

Diffused

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

Dialight



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 (2θ °)	Typical 60°	60°	60°	60°	60°
Forward Voltage (V)	Typical 2.1 ¹	2.1 ¹	2 ¹	2.2	1.8 ¹
$I_F=10\text{mA}$ 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

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