

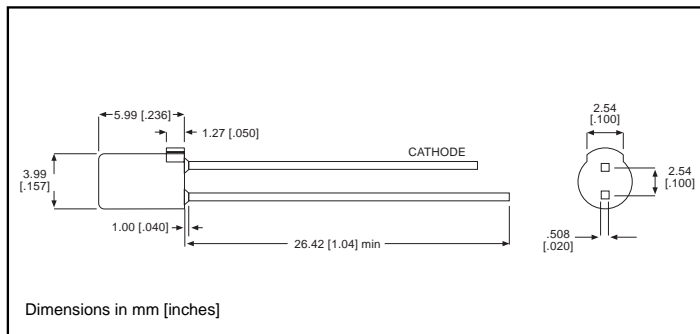
# 4mm Discrete LED

## Flat Top

## Tinted, Diffused

# Dialight

## 521-970x



### PART NO.

521-9706

521-9707

521-9708

### COLOR

Red

Yellow

Green

### **ABSOLUTE MAXIMUM RATINGS** ( $T_A=25^\circ\text{C}$ )

	Red <b>-9706</b>	Yellow <b>-9707</b>	Green <b>-9708</b>
Power Dissipation (mW)	100	60	100
Derating (mA/°C) From 50°C	.4	.25	.4
Forward Current (mA)	30	20	30
Peak Current (mA) <i>Pulse width = 100µs</i>	120	80	120
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case		

*Solder Adherence per MIL-STD-202E, Method 208C*

### **OPERATING CHARACTERISTICS** ( $T_A=25^\circ\text{C}$ )

		Red <b>-9706</b>	Yellow <b>-9707</b>	Green <b>-9708</b>
Luminous Intensity (mcd)	Min.	2.5	5.6	8.7
	Typical	8.7	8.7	12.6
Peak Wavelength (nm) $\lambda_{\text{Peak}}$	Typical	630	585	565
Viewing Angle ( $2\theta_{\frac{1}{2}}$ )	Typical	145°	150°	150°
Forward Voltage (V)	Typical	2	2.1	2.1
	Max.	2.8	2.8	2.8
Reverse Voltage (V), $I_R=100\mu\text{A}$	Min.	5	5	5

$\theta_{\frac{1}{2}}$  is the off axis angle at which the luminous intensity is half the axial luminous intensity

5