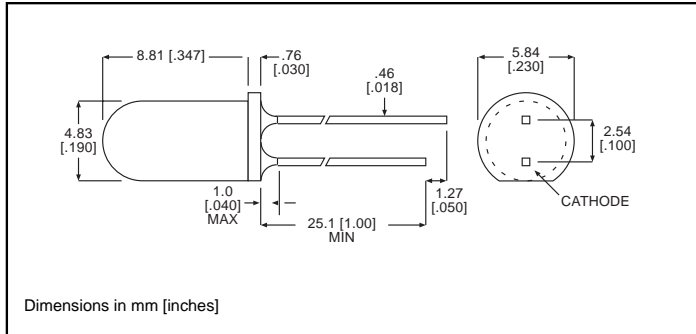


5mm Discrete LED
High Efficiency
Diffused

Dialight

521-9246, -9248, -9250, -9704



| PART NO. | COLOR |
|----------|--------|
| 521-9246 | Red |
| 521-9248 | Yellow |
| 521-9250 | Green |
| 521-9704 | Orange |

MOUNTING CLIP: 515-0004
 located on page 6-48

| ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$) | Red -9246 | Yellow -9248 | Green -9250 | Orange -9704 |
|---|--|------------------------|-----------------------|------------------------|
| Power Dissipation (mW) | 135 | 85 | 135 | 135 |
| Derating (mW/ $^\circ\text{C}$) From 25 $^\circ\text{C}$ 1. (mA/ $^\circ\text{C}$) From 50 $^\circ\text{C}$ | 1.8 | 1.6 | 1.8 | .5' |
| Forward Current (mA) | 25 | 20 | 25 | 30 |
| Peak Current (mA) Pulse width = 10 μs | 500 | 500 | 500 | 500 |
| Operating Temperature ($^\circ\text{C}$) | -55/+100 | -55/+100 | -20/+100 | -55/+100 |
| Storage Temperature ($^\circ\text{C}$) | -55/+100 | -55/+100 | -55/+100 | -55/+100 |
| Soldering Temperature | 260 $^\circ\text{C}$, 5 seconds, 1.6 mm from case | | | |

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

| OPERATING CHARACTERISTICS ($T_A=25^\circ\text{C}$) | | Red -9246 | Yellow -9248 | Green -9250 | Orange -9704 |
|---|---------|---------------------|------------------------|-----------------------|------------------------|
| Luminous Intensity (mcd) $I_F=10\text{mA}$ | Min. | 4 | 4 | 4.2 | 4 |
| | Typical | 7 | 8 | 5.2 | 7 |
| Peak Wavelength (nm) λ_{Peak} | Typical | 635 | 583 | 565 | 600 |
| Viewing Angle (2θ °) | Typical | 60° | 60° | 60° | 60° |
| Forward Voltage (V) $I_F=10\text{mA}$ | Typical | 2.2 | 2.2 | 2.3 | 1.9 |
| | Max. | 3 | 3 | 3 | 2.4 |
| Reverse Voltage (V), $I_R=100\mu\text{A}$ | Min. | 5 | 5 | 5 | 5 |

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

6