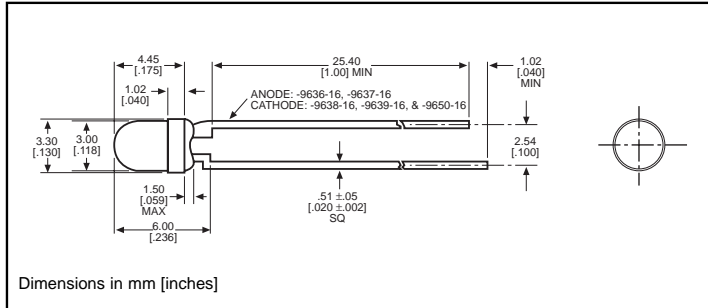


**3mm Discrete LED**  
**High Brightness**  
**Tinted, Non-Diffused**

**Dialight**

**521-9637, -9638, -9639**



<u>PART NO.</u>	<u>COLOR</u>
521-9637	Red
521-9638	Green
521-9639	Yellow

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

ABSOLUTE MAXIMUM RATINGS (T <sub>A</sub> =25°C)	Red <b>-9637</b>	Green <b>-9638</b>	Yellow <b>-9639</b>
Power Dissipation (mW)	100	100	60
Forward Current (mA)	0.5	0.4	0.25
Derating (mA/°C) From 25°C	40	30	20
Peak Current (mA) Pulse width = 10 μs	200	120	80
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 body		

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

OPERATING CHARACTERISTICS (T <sub>A</sub> =25°C)		Red <b>-9637</b>	Green <b>-9638</b>	Yellow <b>-9639</b>
Luminous Intensity (mcd)	Min.	19	19	19
	Typical	80	70	70
Peak Wavelength (nm)	Typical	660	565	585
Viewing Angle (2θ ½)	Typical	45°	45°	45°
Forward Voltage (V)	Typical	1.8	2.1	2.1
	Max.	2.4	2.8	2.8
Reverse Voltage (V), I <sub>R</sub> =100μA	Min.	4	5	5

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