

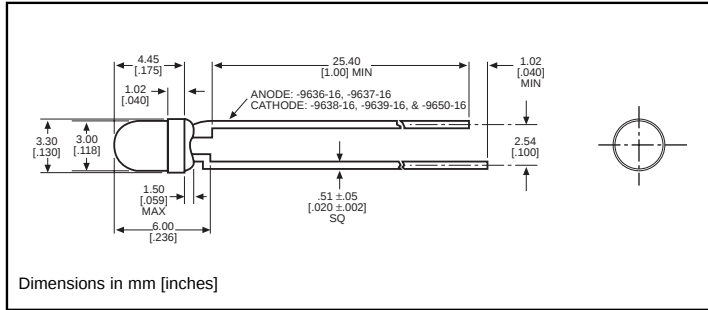
3mm Discrete LED

High Brightness

Tinted, Non-Diffused

Dialight

521-9637, -9638, -9639



PART NO. COLOR

521-9637	Red
521-9638	Green
521-9639	Yellow

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

ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)	Red -9637	Green -9638	Yellow -9639
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 ($T_A=25^\circ\text{C}$)		Red -9637	Green -9638	Yellow -9639
Luminous Intensity (mcd)	Min.	19	19	19
$I_F=20\text{mA}$	Typical	80	70	70
Peak Wavelength (nm)	Typical	660	565	585
λ_{Peak}				
Viewing Angle ($2\theta_{1/2}$)	Typical	45°	45°	45°
Forward Voltage (V)	Typical	1.8	2.1	2.1
$I_F=20\text{mA}$	Max.	2.4	2.8	2.8
Reverse Voltage (V), $I_R=100\mu\text{A}$	Min.	4	5	5

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