

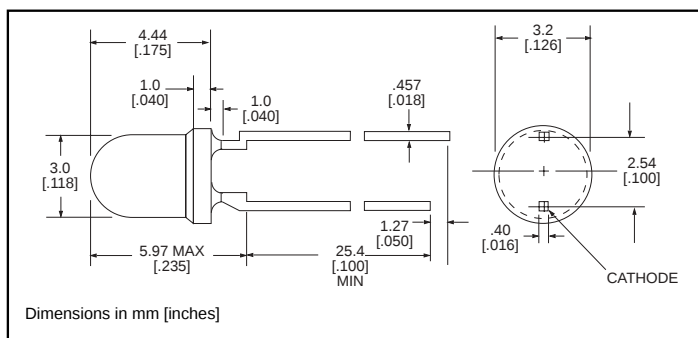
3mm Discrete LED

High Efficiency

Tinted, Non-Diffused

Dialight

521-9430, -9431, -9432



PART NO.

521-9430
521-9431
521-9432

COLOR

Green
Yellow
Red

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

4

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

	Green -9430	Yellow -9431	Red -9432
Power Dissipation (mW)	100	60	100
Forward Current (mA)	30	20	30
Derating (mA/°C) From 50°C	.4	.25	.4
Peak Current (mA) Pulse width = 100µs	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 ($T_A=25^\circ\text{C}$)

		Green -9430	Yellow -9431	Red -9432
Luminous Intensity (mcd)	Min.	32	10	8.7
	Typical	50	20	29
Peak Wavelength (nm)	Typical	565	585	635
λ Peak				
Viewing Angle ($2\theta_{1/2}$)	Typical	45°	45°	45°
Forward Voltage (V)	Typical	2.1	2.1	2
	Max.	2.8	2.8	2.8
$I_F=20\text{mA}$				

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