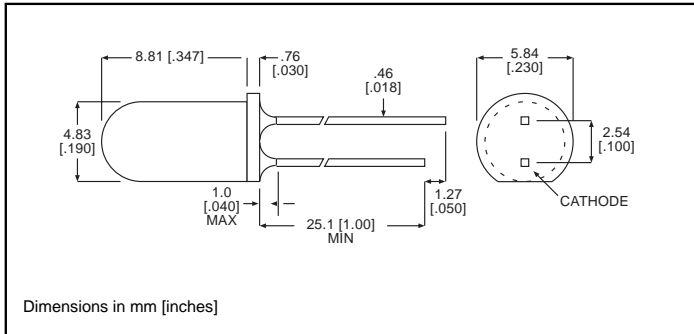


5mm Discrete LED
High Brightness
Non-Diffused

Dialight

521-9247, -9249, -9251



PART NO.	COLOR
521-9247	Red
521-9249	Yellow
521-9251	Green

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

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

	Red -9247	Yellow -9249	Green -9251
Power Dissipation (mW)	135	85	135
Derating (mW/°C) <i>From 25°C 1. From 50°C</i>	1.8	1.6 ¹	1.8
Forward Current (mA)	30	20	30
Peak Current (mA) <i>Pulse width = 10μs</i>	500	500	500
Operating Temperature (°C)	-55/+100	-55/+100	-20/+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 -9247	Yellow -9249	Green -9251
Luminous Intensity (mcd) $I_F=10\text{mA}$	Min.	25	25	25
	Typical	60	50	70
Peak Wavelength (nm) λ_{Peak}	Typical	635	583	565
Viewing Angle ($2\theta^{\circ}$)	Typical	35°	35°	24°
Forward Voltage (V) $I_F=10\text{mA}$	Typical	2.2	2.2	2.3
	Max.	3	3	3
Reverse Voltage (V), $I_R=100\mu\text{A}$	Min.	5	5	5

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