

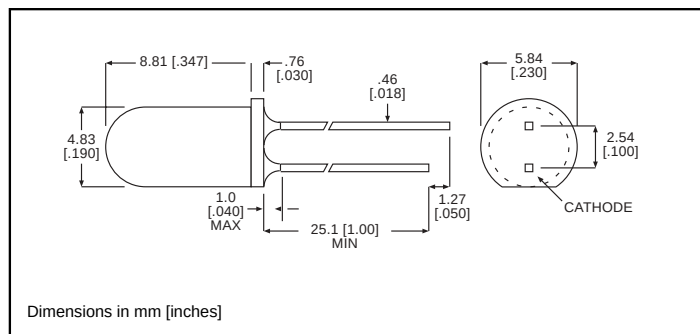
5mm Discrete LED

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°C 1. (mA/ $^{\circ}\text{C}$) From 50°C	1.8	1.6	1.8	.5 ¹
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)	Min.	4	4	4.2	4
	Typical	7	8	5.2	7
Peak Wavelength (nm) λ_{Peak}	Typical	635	583	565	600
Viewing Angle ($2\theta^{\circ}$)	Typical	60 $^{\circ}$	60 $^{\circ}$	60 $^{\circ}$	60 $^{\circ}$
Forward Voltage (V)	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

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