



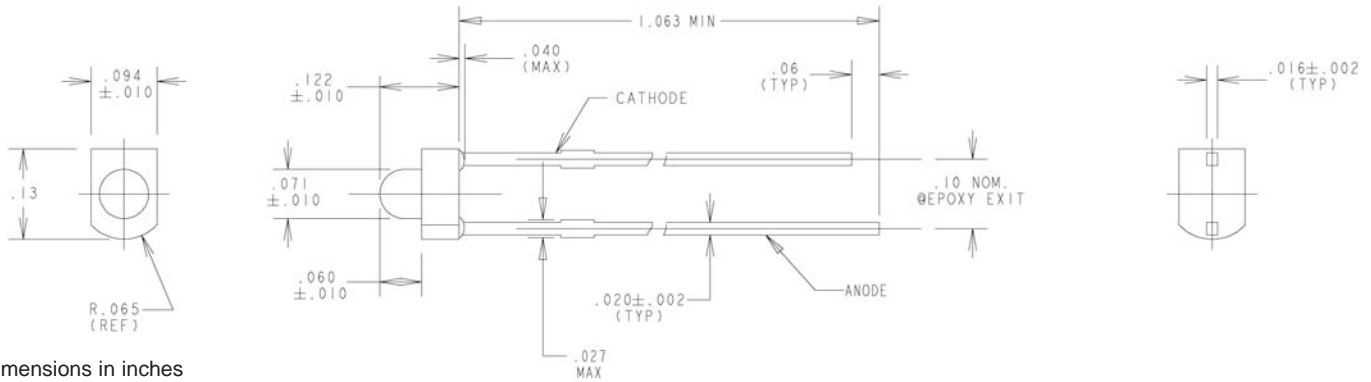
521 SERIES

2mm Discrete LED

Diffused

PART NUMBER	LED COLOR
521-9630	RED
521-9631	YELLOW
521-9632	GREEN

SPECIFICATIONS



Dimensions in inches

ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$)	RED	YELLOW	GREEN
	-9630	-9631	-9632
Power Dissipation (mW)	105	105	105
Average Forward Current (mA)	30	30	25
Derating (mA/°C) From 25°C	0.4	0.4	.33
Peak Current (mA) Pulse width = 10µs	160	140	140
Operating Temperature (°C)	-40/+85	-40/+85	-40/+85
Storage Temperature (°C)	-40/+85	-40/+85	-40/+85
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case		

OPERATING CHARACTERISTICS ($T_A = 25^\circ\text{C}$)		RED	YELLOW	GREEN
		-9630	-9631	-9632
Luminous Intensity (mcd)	Min.	8	5	5
	Typical	15	8	10
Peak Wavelength λ Peak	Typical	627	590	565
Viewing Angle ($2\theta_{1/2}$)*	Typical	70°	70°	70°
Forward Voltage	Typical	2	2.1	2.2
	Max.	2.5	2.5	2.5
Reverse Voltage (V), $I_R = 100\mu\text{A}$	Min.	5	5	5

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



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