



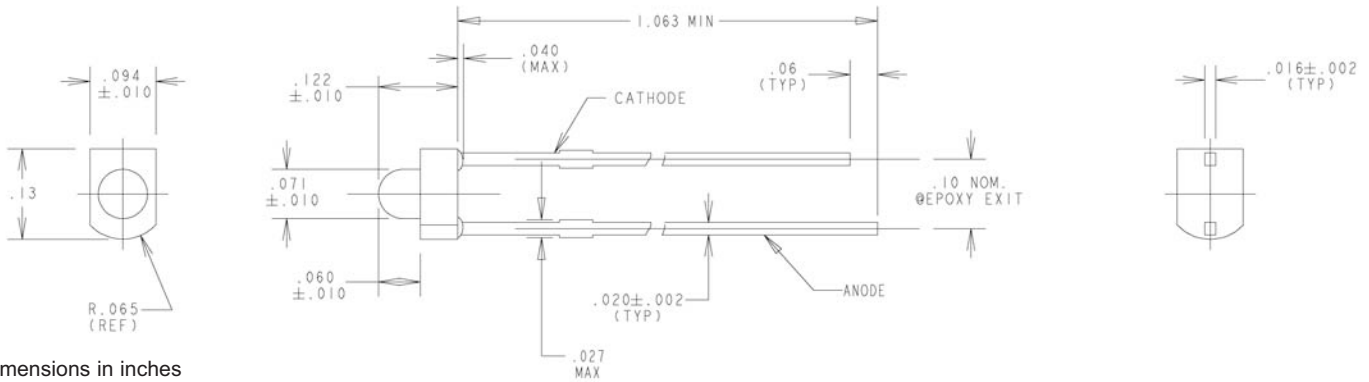
# 521 SERIES

## 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 <sub>A</sub> = 25°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 <sub>A</sub> = 25°C)		RED	YELLOW	GREEN
		-9630	-9631	-9632
Luminous Intensity (mcd)	Min.	8	5	5
	Typical	15	8	10
Peak Wavelength	Typical	627	590	565
Viewing Angle (2Θ <sup>1/2</sup> )*	Typical	70°	70°	70°
Forward Voltage	Typical	2	2.1	2.2
	Max.	2.5	2.5	2.5
Reverse Voltage (V), I <sub>R</sub> =100μA	Min.	5	5	5

\* Θ<sup>1/2</sup> is the off axis angle at which the luminous intensity is half the axial luminous intensity

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