



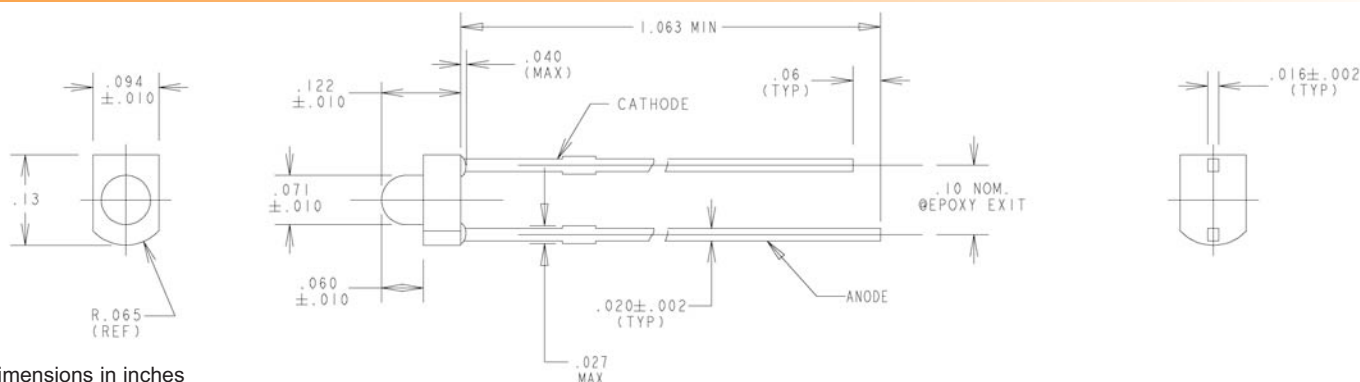
521 SERIES

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

OPERATING CHARACTERISTICS ($T_A = 25^\circ\text{C}$)		RED -9630	YELLOW -9631	GREEN -9632
Luminous Intensity (mcd)	Min.	8	5	5
$*I_F = 10\text{mA}$	Typical	15	8	10
Peak Wavelength λ Peak	Typical	627	590	565
Viewing Angle ($2\Theta_{1/2}$)*	Typical	70 $^\circ$	70 $^\circ$	70 $^\circ$
Forward Voltage	Typical	2	2.1	2.2
$*I_F = 10\text{mA}$	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



Dialight Corporation
 1501 Route 34 South • Farmingdale, NJ 07727 USA
 Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • www.dialight.com
 a Roxboro Group Company

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