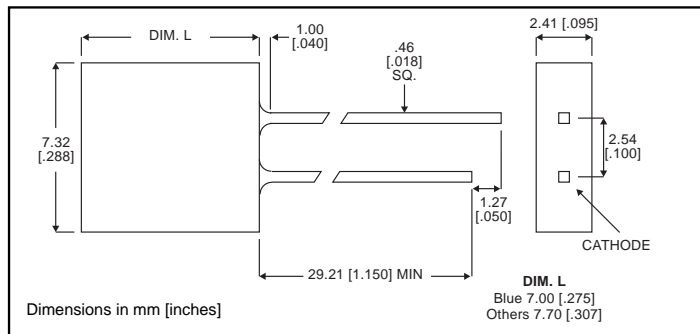


2.5mm x 7mm Discrete LED

Rectangular Tinted

Dialight

521-9264, -9265, -9266



PART NO.

521-9264

521-9265

521-9266

COLOR

Red

Yellow

Green

ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)	Red -9264	Yellow -9265	Green -9266
Power dissipation (mW)	135	85	135
Derating (mW/ $^\circ\text{C}$) From 50 $^\circ\text{C}$	1.8	1.6	1.8
Forward Current (mA)	30	20	30
Peak Current (mA) Pulse width = 10 μs	500	500	500
Operating Temperature ($^\circ\text{C}$)	-55/+100	-55/+100	-20/+100
Storage Temperature ($^\circ\text{C}$)	-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 -9264	Yellow -9265	Green -9266
Luminous intensity (mcd) $I_F=20\text{mA}$	Min.	2.5	3	1.5
	Typical	5	5	2.5
Peak Wavelength (nm) λ_{Peak}	Typical	635	583	565
Viewing Angle ($2\theta_{\text{1/2}}$)	Typical	100 $^\circ$	100 $^\circ$	100 $^\circ$
Forward Voltage (V) $I_F=20\text{mA}$	Typical	1.9	2.1	2.3
	Max.	2.6	2.6	3
Reverse Voltage (V), $I_R=100\mu\text{A}$	Min.	5	5	5

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

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